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ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., JANUARY, 1938

NO. 1

Winners At Christmas Decorations Show

The Second annual Christmas Decorations show was held at the school, December 10 to 13 inclusive, under the direction of the Floriculture Club, assisted by members of the Echo Club.

All who saw the work done by the students remarked upon the quality of same. Prof. Davis of the State College made the statement at the lecture on the thirteenth, "That he felt he was bringing coals to Newcastle, to come to give a demonstration on the making of Christmas decorations".

The judges for the affair were: Mrs. Charles H. Haddrell of Marblehead, Mrs. Frank Taylor, Peabody, Harold Stevens, Salem and James H. Curran of Peabody.

The most out-standing exhibit was a house and winter scene, exhibited by Russell Weinhold of Methuen. A special prize was awarded to Edward Mitchell of Lynn for his fine exhibit of a logging camp. This was not particularly a Christmas scene, but the judges felt that it should have some recognition.

The five students with the highest total number of points were: Russell Burton, Saugus, 27 points; Barbara Metzger, Lynn, 17 points; Rhea Gosselin, Haverhill, 12 points; Francis O'Connor, Lynn, 10 points; and Marilyn Peabody of Peabody was fifth with 9 points.

Others who won prizes were: Hope Crombie, Edith Campbell, Arvid Ljunggren, Albert Greenaway, Henry Smith, John Draper, Allyn Trask, Raymond Kennedy, Leavitt Moulton, Gary Sano, Hugo Jacobson, Robert Corneliusen, Frank Stacey, Joe Mattera, Robert MacAfee, Joseph Arnold, Walter Winn, Arthur Connell, Ellen McDonnell, Leroy MacAloney, Robert Spencer, Frank Stacey and Walter Tataronis.

Friday evening there was an entertainment with Christmas carols sung by the Glee Club under the direction of Mr. Mostrom and the orchestra played under the direction of Instructor Wood. Mr. Sterling Pool of Rockport was the guest speaker. His lecture on "Gourds" was most interesting and instructive and those which he showed were very beautiful.

The exhibit was open for three more days and on the closing day, Mrs. Mary McIntire had a group of

"Happy New Year"

"Do you wish the world were happy?

Then remember day by day
Just to scatter seeds of kindness

As you pass along the way,
For the pleasures of the many
May be oftentimes traced to one.

As the hand that plants an acorn
Shelters armies from the sun."

Reprinted from Federation Topics

NEW YEAR'S DAY

As the old year draws to a close and we think of the New Year now beginning, many thoughts come to our minds of the things that have happened during the past year. Some people however only think of how they may celebrate the entrance of the New Year, while others become very serious and make out long lists of resolutions which they aim to keep in the New Year.

How many of us ever stopped to think why we have these various thoughts regarding the New Year? Our customs of celebrating New Year's Day are the results of the traditions that have come to us ever since the first century. At this time the German New Year was established as a result of the changing seasons. They had only two seasons, summer and winter. The winter actually started in November. At this time when harvests had been made and the flocks gathered into winter quarters, the Germans took time to celebrate with festivals, bonfires and religious ceremonies.

In the sixth century the date of the New Year became fixed as November 11, it being the date of the death of St. Martin, who was a great saint of the church. On this day there were festivals and unusual ceremonies celebrated in keeping with the ideas of Saint Martin.

When the Roman calendar was established and two months added to the year, the first one was called Januarius. This was in honor of Janus, the diety supposed to preside over open doors and who might naturally be interested in the opening of the New Year. This God was supposed to have two faces, one looking backward and the other forward, thus being able to see both past and the future.

With the combination of the German and Roman customs we find the celebrations to include feasting, and

Paul Kelly Wins M. F. G. A. Prize

For excellence in fruit judging during the fall, Paul Kelly, '39 of Lynn won the Massachusetts Fruit Growers' Association third prize consisting of ten dollars. In addition to being a good judge the winner must carry a fruit growing project. Paul was employed in the Fruit department of the school during the project season. The Association stipulates that the prize money be spent under the supervision of the student's instructor for a worthy purpose in connection with a fruit growing enterprise or education.

By winning this prize Paul has continued the long series of consecutive successes which Essex Aggie boys have enjoyed since the Massachusetts Fruit Growers' Association prizes have been offered.

Bradford Webb '31 formerly of Andover and now employed at Greycroft Farm, Wenham was the first to win the prize which consisted of a sixty dollar scholarship. Bradford accomplished this feat twice and used the money to attend Stockbridge School of Agriculture at Amherst.

John Kachadorian '33 followed in Webb's path by winning the prize in '33 and attending the Stockbridge School and now is running the home fruit farm in Methuen.

Since that time three smaller prizes instead of one large prize have been offered by the M. F. G. A. and each year an Essex Aggie boy has succeeded in winning one of these prizes.

Gilbert Wallace '34 of Bradford, bought Catskill strawberry plants with his winnings and now has on the home farm one of the largest strawberry beds in Essex County.

Phillip Hanson '35 of Lynn bought some agricultural tools. Gordon Hall '36 of Andover now employed as foreman at the Essex Poultry plant, purchased nursery stock with his prize money.

Merle Graffam '37 of Lynn bought some fruit books to use at school, and the latest winner Paul Kelly '38, thinks he will enlarge his strawberry bed with his prize money.

The Massachusetts Fruit Growers' Association prize money had definitely been used to help and encourage the boys to get started in agriculture, particularly fruit growing, the worthy cause for which the money was intended.

(Continued on page 3, col. 2)

(Continued on page 4, col. 2-

C. T. Wood

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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Eastern Massachusetts Society of Beekeepers

Secretary, E. S. Batchelder Glitondal.

Essex County Milk Goat Breeders' Association

Secretary, R. H. Campbell Topsfield

CALENDAR

Jan. 20—Rabbit Breeders at the

School at 8 P. M.

Evening course in Vegetable Gardening at School, Instructor C. M. Stearns, speaker.

Jan. 31—Annual meeting Essex Co-operative Farming Assoc. at 10.30 A. M. in Grange Hall, Topsfield. Mr. Donaldson and G. Snyder, speakers.

Feb. 4—Annual meeting Lowell Production Credit Assoc., at 10 A. M. in Lowell Y. W. C. A.

Goat Breeders meet at the School at 7.45 P. M. Mr. Hulbert of the Larro Feed Co., speaks on "Feeding of Dairy Animals."

Turkey Breeders meet at 8 P. M. at the School, showing of the new film on Turkeys.

HERE AND THERE

A group of the members of the Danvers Women's Association came to the School shortly before Christmas and met at the greenhouse, where Instructor H. Linwood White gave a demonstration of the making of Christmas decorations.

About this same time Mr. White was guest speaker at the Peabody Women's Club and also gave a demonstration at the Middleton Sanitarium.

HABIT TRAINING FOR CHILDREN

Habits are tools by which we achieve health, happiness and efficiency.

Habits are acquired by experience, training and education. Their development begins at birth and they become the standards by which the individual is judged by his fellowman. Very early in life the child exhibits certain tendencies toward the simplest problems of his every day existence, such as sleeping, eating and eliminating, just as later on in life he has well formulated ideas about exercise, paying his bills and going to church. These tendencies which gradually become habits by constant repetition, enter into the make-up of what we call personality, and the more frequently they are repeated, the more likely they are to become permanent.

Habits are dependent to a very large extent, upon the effect that a great variety of environmental conditions and circumstances have had upon the mind of the child, who is extremely plastic and prone to accept suggestions and to imitate that which he sees and hears. Childhood therefore, is the best time to establish desirable habits and to alter and eliminate such habits as will work out to the disadvantage of the child in later life. The plasticity of the human mind decreases rapidly as age advances and as one noted writer says in speaking of habit, "it has a hold upon us because we are the habit".

Undesirable habits in children should receive serious consideration. Our efforts should be directed toward determining the cause, removing it, and substituting for it the proper mode of acting. This is the objective sought in the organization and development of the habit clinics for children of the pre-school age.

Mary Roundy

A NEW DAY

The State Public Health Department in conjunction with the United States Public Health Service have available a new film entitled "A New Day". This is to aid in the control of Pneumonia and has been endorsed by Governor Hurley.

They also have announced that Massachusetts is the first state to make the pneumonia serum freely available to all her citizens, and at this time of year which is the pneumonia period, this fact is being brought to the citizens. It has been most heartily endorsed by the Governor and all Public Health officials.

MARRIED

Word was received at the school of the marriage on December 11, of Richard L. Heider, class of 1932, and son of Mr. and Mrs. Heider of North Andover to Miss Marjorie Gill, daughter of Mr. and Mrs. Joseph Gill. They are residing on High street, Andover.

NOTICE TO SUBSCRIBERS

During the next few weeks we are making a drive for new subscriptions to the Essex Farmer and Homemaker, as well as endeavoring to get those who have let their subscriptions lapse, to renew.

To those of you who have not received the Farmer the past few months and those of you whose subscriptions end with this issue, you will find enclosed a coin card.

It is the hope of the publications committee that you will take the time to write your name and address on the card and insert the proper amount of coins and mail it to the School office. It is not necessary to write a note if you lack the time.

We feel sure you have intended to send that quarter but it has not been easy to send it through the mail. Now see how easy it is.

In October will be the twenty-fifth anniversary of the organization of the school. Of course you will want this magazine this year of all years to keep you posted on the events planned for their anniversary year.

DO IT NOW!

Madeleine R. Torrey, Editor

RADIO STATION WLAW

Have you found Station WLAW on your Radio yet? We hope so, and we also hope that you have made a mental note to tune in each Tuesday at 12.30 noon, for the broadcast by some member or members of the School or Extension office.

Just in case the Station is a new one to you we will tell you that it is in Lawrence "The Friendliest City" and is operated by the Hildreth Rogers Co., on a frequency of 680 kilocycles and is 1000 watt station. It is on the air from 7 A. M. to 4.30 P. M.

The School has been on Tuesdays ever since the inception of the station. This was an experiment for a month, but we are happy to tell you that our time has been continued.

There are interesting bits about the work at the school and several times important notices have been given regarding meetings, changes which have come about too late to be sent to the newspapers.

We hope that you will listen each Tuesday at 12.30, and then write us and tell us how you liked the program and if you wish it continued.

A bit of a contrast was noted at the Christmas Decorations exhibition, on the table among the lovely green and red decorations was a vase with three sprays of odd appearing blooms. Later these were in the Director's office.

The card below told the story, they were three sprays of Chinchinchees, which were cut on October 23, 1937, by Mrs. Bronkhurst in South Africa, and brought to Danvers by her. Before her marriage she was Anna Chase of Danvers.

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

JANUARY, 1938

STUDENT EDITORS

Homemaking Department

Margaret Spinney, '38 Saugus
Helen Corliss, '38 Andover
Grace Mann, '38 Amesbury
Wyntha Tompkins, '38 Essex
Mary Anderson, '39 Peabody
Mildred Burke, '39 Methuen

Agricultural Department

Aubert Giles, '39 Danvers
Allan Trask, '38 Peabody
Walter Winn, Jr., '38 Methuen

F. F. A. Reporter

Leonard Duratti, '38 Swampscott

SENIOR CLASS ELECTS OFFICERS

The present Senior class met recently and elected the following students to serve as their class officers for the current year.

President, Howard Wilson, Jr., of Beverly; Vice-President, Frances Carty, North Andover; Secretary, Alice Ayers, Newburyport; and Treasurer, Sidney Johnston, Lynn.

The faculty advisers for the class are Mrs. Myrtle Dunn, Mrs. Abbie Clapp, Mr. George Meigs and Mr. Miltimore.

GREEN and WHITE

As is the custom in the Home-making school the offices on the Editorial board of the Green and White, which are held by the girls who have a good scholastic rating and who show unusual ability in their line of work are changed in the middle of the year.

The following are the changes which have been made: Assistant Editor, Edith Campbell; Alumni, Mary Maklae; Sports, Lucy Grover; Humor, Edith Sharp; Exchange, Barnara Gage.

There are other changes to be made later.

HOBBY SHOW

The Second Annual Hobby Show will be held at the School under the direction of the Vocational Improvement committee, of the F. F. A., with Joseph Bergeron, chairman, January 25 to 29.

This is an exhibition of Arts, Crafts, Literature and Miscellaneous collections. The object is to place on exhibit the results of worth while leisure time hobbies.

The results of this interesting show will be given in the next issue of the Farmer.

THE CAFETERIA

We, the students of Essex Aggie, are very proud of our cafeteria and we feel that we have good reason to be. Not only is it comfortable and attractive but we feel that it serves the best meals at the lowest prices possible.

Every day there is a main dish that is served for ten cents, which is planned to be attractive, nutritive and filling. The Junior students prepare the meals four days and a High School Special one day during the morning and the menus are planned so as to give each class of girls experience in getting dinners with meat, dinners without meat and with soups and chowders. Following are examples of main dishes that have been served this year. Roast Lamb, Brown Gravy, Boiled Potatoes, Buttered Carrots; or Clam Chowder, Crackers, Fresh Corn, Pickles; or Eggs a la King, Baked Potatoes and Buttered Peas.

Along with each main dish desserts, salads, sandwiches, and milk are served daily a la carte; ice cream and candy are sold two or three times a week.

Another purpose of the cafeteria is to give all the girls experience in preparing and serving large quantities of food. During the year each girl is called upon to work in it for the period of a week. During this week she serves on the steam table, has charge of the desserts and works on the slide, or in other words takes charge of dishes that are returned.

Don't you agree that we have reason to be proud of our lunch room, and is it any wonder that 200 students out of a total of about 300 buy all or part of their luncheon?

G. M.

ECHO CLUB NEWS

The Echo Club will enjoy a moving picture called "Meat for Thought", at the January meeting. At this time the students will learn about the various cuts of meat and how to use inexpensive cuts successfully. The picture is to be sponsored by the Household Finance Company.

The business meeting of the club will be held January 26, at which time the various committees and chairmen will make reports. The delegates, Dorothy Doerr and Ellen Wills were sent from the Echo club to the Conference of Student Home Economic Clubs held at Simmons College, January 15. They will bring back to the group a report of activities from other Student Clubs in the State.

M. A.

JOINT ASSEMBLY

The first joint assembly of the new year was held in the Agricultural building on Wednesday afternoon January 5.

The speaker of the afternoon was Rev. Percy Gladstone Beatty of Beverly, who gave an inspiring talk on the proper use of our life. His talk centered around the statement that we should forget the personal pronoun I and think of our relationship with our friends, God, and Eternity.

The next joint assembly will be January 25 at which time Mr. Stanley Osborne of Rochester, New York will lecture on "Holland and her South Seas Wonderlands". This will be color and motion pictures of a journey through Holland, Borneo, Sumatra, Bali and Java, as well as showing the wonders of modern Dutch architecture in Amsterdam and Rotterdam.

A. T.

PUBLIC SPEAKING NOTES

Winners in the State Public speaking contest for vocational agricultural students, next March will receive in addition to the \$50 awarded by the Department of Agriculture, an additional \$30 offered by the Massachusetts State Grange through its Master Brightman.

Last year the grange awarded \$10 to the winner and \$5 to the student in second place. Because of the splendid use these young men made of their awards, the Grange has doubled the award for this year.

W. W.

F. F. A. GENERAL MEETING

At the general meeting of the F. F. A. on Wednesday December 15, Jacob Ranta president of the Essex chapter F. F. A. accepted on behalf of the organization a gavel and block made by Instructor C. M. Wood, head of the fruit division of the school.

The gavel and block were made from apple wood of a filler tree from the hill orchard which had been planted by students of the first class and taken care of each year by students in subsequent classes. The handle of the gavel is of plum wood. Thus this unique gift has a special "Aggie" significance.

A. T.

FARMERS AND
HOMEMAKERS DAY
MARCH 23

ALUMNI NOTES

A survey was taken recently to determine what the members of the Class of 1937 were doing in the line of work. The results of the survey follows:

Walter Alley is working for Mr. R. Barnes in Andover.

Bruce Bawden is employed by Thomas Jackson of Salisbury.

David Elwell, a speaker at the graduation is working on his farm in Essex.

Gilbert Freeman, the Poultry Prize Winner is engaged in his own Poultry business.

Walter W. Hichens is now the owner of the Square Deal Farm in Maine.

Warren Kneeland, is employed by the H. P. Hood and Sons in Lawrence.

James O'Neill is working in the General Electric plant.

William Long of Lawrence is employed by George Millett, the florist in Andover.

Augustine Sheehy is employed selling vegetables in the Brockleman Store in Lawrence.

James Webber, until recently has been working on the Wheatland estate in Topsfield.

Norbert White is employed at the Grotton Farm House in Hamilton.

Anna Bennett is in training at the State hospital in Concord, N. H.

Yolanda Scamperino of Lawrence is now employed as an inspector at the Oxford Dress Co., Boston.

Janet Spalding is a student at Kent Hill school in Maine.

Margaret Skinner is caring for a child in the home of Mrs. Eames at Gov. Dummer Academy, Byfield.

Mary Minichello of Ipswich is the cook at the North Shore Babies hospital, Salem.

Ruth Randall and Louise Spofford are attending Bryant and Stratton Business school in Boston.

Edna Bowers is taking care of a child in Lynn.

Both Ruth Tronerud of Topsfield and Lena Tela of Lawrence are Freshmen at the Framingham State Teachers' College.

Veronica Marquis '30 is Supervisor and Instructor at the Central hospital in Somerville.

Among the recent visitors at the Homemaking school were Margaret (Gordon) Borden '30, Eileen Murphy '35, North Andover; Helen Ward '33 Swampscott; Wilma Corliss '33, Andover.

Merit Blake '31 since completing his course at Diesel Institute is now working at his brother's Gas Station in Peabody.

Marjorie Hudson '36 was married June 19, 1937 to Ernest Burnsfield in Wilmington.

Freda Peterson '36 is household assistant at Dr. Currier's home in Andover.

Chester Clinch '38 is now attending Danvers High school.

SENIOR CLASS NOTES

Plans for the annual Senior Dance are under way and being directed by the newly elected class officers and advisors. The date of the dance is set for February 4.

Collectors have been appointed in each division for the collection of dues and it is hoped that everyone will cooperate by paying these as soon as possible.

The following girls have been chosen to serve on the committees for the dance: Orchestra, Madeline Cady, Betty Walsh, Eleanor Flaherty, Hattie Martin.

Decoration: Elinor Yerbury, Frances Woodhouse, Kay Johnson, Lilyan Dion, Helen Ouellette, Ruth Kenaley, Mary Munroe, Alice Homans.

Reception: Helen Corliss, Edith Moody, Eileen DeTour, Alberta Redlon.

Tickets: Betty Nief, Esther McKenzie, Ellen McDonald, Ellen Mills, Wyntha Tompkins, Vivian Timm, Carolyn Walker, and Grace Mann.

Refreshments: Dorothy Doerr, Margaret Spinney, Esther Whitaker, Elinor Chenery.

Also a committee has been chosen to make plans concerning the class picture which is as follows: Rita Ouellette, Nathalie Sheldon, Marguerite Coleman, Lucille Peltier, Gertrude Hennessey, Grace Taylor, Geraldine Gates, and Virginia Donovan.

W. T.

ECHO CLUB ENTERTAINS

The Essex County Chapter of the Future Farmers of America and the faculty were the guests of the Echo Club at a Christmas entertainment and dance in the Agricultural school hall, Friday afternoon, December 17.

A short play was presented under the direction of Miss Constance Lovett of the Homemaking faculty. The cast was: Caroline, the older sister, Wyntha Tompkins of Essex; Diana the artist sister, Olive Purdy of Essex; Joyce, the sister in business, Helen Ouellette, Salem; Patricia, the rebel sister, Kay Johnson, Salem; Aunt Emeline, the bank account of the family, Virginia Donovan of Lawrence.

There were selections by the school orchestra, directed by Instructor C. M. Wood and Christmas carols were sung by all. Following the entertainment dancing was enjoyed with music by Delma's orchestra.

W. T.

Louise Semple '36 of Gloucester, is employed at the Danvers State hospital.

Rossario Richards ex-'37 is taking the evening course in tree surgery at M. I. T. and expects to attend the winter course at the Massachusetts State College.

HONOR ROLL

The first term honor rolls for both of the departments of the Essex Agricultural school have been released and are as follows: Agricultural department Seniors: William Corning, Robert Corneluisen and Raymond Kennedy of Beverly; Clifford Nelson, Myron Eastwood, Donald Nelson, Methuen; Allyn Trask, John Zielski, Peabody; Rhea Gosselin, Stanley Prophet, Haverhill; Percy Curtis, Jacob Ranta, Rockport; Paul Day, Saugus; Sidney Johnston, Gary Sano, Lynn; John Kukeue, Amesbury; Elmer Luxton, Wenham; Frank Story, Essex and Albert Batchelder, Andover.

Juniors: John Balzarini, Rockport; Willis Lord, Henry Smith, Saugus; Albert Greenaway, Marblehead; Albert Giles, Robert Spencer, Danvers; Nicolas DiLisio, Swampscott; Alden Crosby, Peer P. Johnson, Jr., Beverly; George Georgantins, Lynn; James Nealey, Conrad Nolett, Andover; David Ross, Essex.

Sophomores: Newton Henriksen, Lawrence; Warren Nelson, John Wadsworth and Russell Weinhold, Methuen; and William Senior, Byfield.

High School Specials: David Irons, Donald Herron, Salem; Martin Sevorian, Methuen; Robert Bowley, Edward Mitchell, Lynn; Robert Sprague, Peabody; Paul Bannon, Ipswich; Wallace Brown, Gloucester; Horace Dalrymple, Haverhill; and William Holt, No. Andover.

Freshmen: John Adams, Georgetown; Robert Perry, Andover; Edmund Richard, Wenham; Kenneth Winsor, Swampscott; Harold Jones, Danvers; Marland Rivers, Haverhill; George Banks, Saugus; Edward Croteau, Salem; Frank Lane, Manchester.

Those from the Homemaking school on the honor roll are, Seniors: Charlotte Finn, Lawrence; Kay Johnson, Grace Taylor, Salem; Katherine McLaughlin, Saugus; Olive Purdy, Ipswich.

Juniors: Ruth Dyer, Danvers; Ada Marsland, Grace Raimey, and Edith Sharp, Methuen; Edith Skidmore, Lynn.

High School Specials: Dorothy Doerr, Pauline Graichen, Methuen; Susan Ellery, Gloucester; Barbara Gage, Rowley; Rachel Kruschwitz, North Andover; Grace Mann, Amesbury; Hattie Martin, Lawrence; Ruth Nygren, Lynn and Nathalie Sheldon, Middleton.

Freshmen: Edith Campbell, Marblehead; Olive Judge, Eleanor Taylor, Methuen.

W. T. and A. S.

Joseph Cassano '20 was among those who attended the Alumni Banquet and meeting. Joe is now teaching Science in the High School of Wakefield.

H. C. and W. W.

TREE WARDENS MET

The Tree Wardens and Moth Superintendents met January 11, at the Essex Agricultural School with Harry Cole, of West Boxford, chairman of the County Forestry committee, presiding. Members of the County committee present were Herbert Lewis, Andover and George Meigs, Danvers.

Introductory remarks were given by the chairman, Harry Cole, on the Soil Conservation Acts of 187 and 1938. County Agent Francis C. Smith, told of the purposes of the conference.

Edward Batchelder of Saugus gave a very interesting as well as instructive talk on "The Tree Wardens job" and told how Saugus did it. They have been able to utilize the work of the WFA so that in years to come they will still have the benefit of the tree work now done.

Remarks were made by Mr. Donovan of the Mass. Dept. of Conservation, Prof. Robert B. Parmenter of the State College, George Meigs, chairman of Farmers and Homemakers Day at Essex Agricultural school, and

Mrs. Ward Thoron chairman of Conservation of the Massachusetts Federation of Women's clubs explained about the scholarship of \$25 which the North Shore Garden awards to a Tree Warden. This provides attendance at the Tree Wardens' School held in March at the Massachusetts State College.

G. Richard Abbott, Tree Warden of Andover was the winner of the scholarship in 1937 and he told of what he learned while there.

There was a business meeting at which they voted to hold a meeting on Farmers' Day, March 23 at 1.30 at ECAS.

A committee was elected, those from the Forestry committee were: Edward Batchelder, Saugus, chairman; James Murray, Danvers, and C. D. Caverly, Ipswich.

It was suggested they ask the cooperation of the Garden Clubs of the County, also Mrs. Gordon Abbott, of Manchester and Boston; Mrs. Ward Thoron, Boston; Mrs. Robert Parmenter, Amherst and Mrs. Edward Wigglesworth of Topsfield and Boston; also include Park Commissioners, Selectmen, Cemetery Commissions and all wood lot owners, the Tree Wardens, Moth Superintendents any any other Horticulturally minded person.

It was suggested that the positions of Tree Wardens and Moth Superintendents be combined and position be under Civil Service, that eligibility rules be devised, including examination and to make the work more worthwhile, the term be for three years instead of one year.

Suggested that members in audience bring up for discussion the above matter at the next meeting of the Massachusetts Tree Wardens association.

GRADUATION OF EVENING COURSES

Those who attended three short unit courses during the fall, received their certificates at the graduation exercises on the evening of December 27, in the Homemaking auditorium.

Raymond Allen of Rockport a member of one of the classes, spoke for those who had been taking the courses, telling of the benefits received in the classes.

Prof. Roy E. Moser, Extension Economist in Farm Management at the State College was the guest speaker.

Those receiving certificates were: Poultry Husbandry course; Clifford Potter, West Peabody; John Guild, Amesbury; Jack Parkman, Amesbury; Raymond Allen, Rockport; Willi Summit, Wenham; Daniel Clement, Amesbury; William Bushby, Danvers; William Credford, Ipswich; Elvin H. Cox, Ipswich; Richard H. White, Peabody; Warren E. Heath, Mr Manchester; Frederick Dennen, Gloucester, Leon Twine, Amesbury. Dairy Practices course: Alfred W. J. Taylor, Lawrence; Kenneth A. Norton, Wenham; Allen M. Stocker, Jr., Saugus; Alfred Frederick, Methuen; James E. Slatery, Beverly; Alphonse Bosse, Lawrence; Phillip V. Tarr, Gloucester; R. J. Sierpina, Methuen and George W. S. Haynes, Haverhill.

Dairy Laboratory Practices: Charles K. Strong, Melrose; Frederick A. Emerson, Haverhill; Jay L. Robinson, Everett; H. L. Dodge, Beverly; Anthony Sicurella, Lawrence; Charles Whalen, Newburyport, Kenneth V. Anderson, Reading; Arthur Morse, Newburyport; George S. L. Waldie, Andover and Edward T. Kelley, Lawrence.

WINNERS AT CHRISTMAS DECORATIONS SHOW

(Continued from page 1)

ladies from the county at the school for a lecture and demonstration by Prof. Arnold M. Davis, Horticultural Extension Specialist, at the State College. Prof. Davis gave a demonstration of the making of Christmas decorations. Over fifty ladies from the County were present and the members of the Floriculture club were also in attendance.

Much credit should go to Sidney Johnston, manager of the show and his committee who were, Allyn Trask, Howard Wilson, Gary Sano, Joseph Arnold, Frank O'Connor, Edward O'Connor, Edward Mitchell, George Banks, William Whiteside, Robert Bowley, Thomas Fullerton, Kay Johnson, Ellen McDonnell, Annette Meigs, Pauline Graichen, Helen Ouellette, Marilyn Peabody, Ruth Call and Edith Campbell.

GARDEN CHAT

Deviating somewhat from the usual thought of this column, the writer would like to remark on a recent trip to New York City.

A most worthwhile and educational trip to New York City was made by groups of Vocational Students from the Essex Agricultural School and 4-H Club. These six boys, with Mr. Stearns attended the Junior Judging, identification and potato grading contest, held in conjunction with the National Vegetable Growers' Association of America Convention, at the Hotel New Yorker.

Some eighty odd boys and girls comprising twenty-four different teams representing Vocational schools and 4-H Clubs from Indiana, Ohio, New York, Connecticut, New Hampshire and Massachusetts, participated. All agreed that the experiences in New York City were most educational.

Tuesday morning the boys and girls rose at 4 A. M. and accompanied Vegetable Growers and their wives in a tour of the Pennsylvania and Erie Piers, as well as the Washington Street Markets, where cars of shipped in produce and citrus fruits were seen.

The Junior Contest started at 10.30 Tuesday, December 14 and it was about 3.30 when the last young vegetable enthusiast finished. The boys and girls judged four plates of onions, potatoes, beets, peppers and celery; identified fifty different varieties of vegetables; graded out 50 lbs. of Potatoes according to U. S. Standard No. 1; as well as identified 30 different diseases, insect or mechanically injured specimen of potatoes.

About four o'clock all the boys and girls were invited to make a tour of inspection of the large liner Queen Mary which sailed the following day.

In the evening the group were guests of the Atlantic and Pacific and Allied Chain Stores at a banquet and floor entertainment at which time, prizes were awarded to the boys and girls who took part in the Junior contest earlier in the day.

Robert Spencer received a blue ribbon for his meritorious work ranking 23rd. The 4-H Club team ranked 15th and the Essex Vocational School team 16th.

At the Boston Market Gardeners' meeting at the School Saturday, January 8, six entries of Squash were received. First place was awarded to Mr. Joseph Decatur of Wayland for his Blue Hubbard Squash which weighed 40 lbs.

The Hubbard squash entered by Harold Rogers of Ward Hill weighed 44½ lbs. and was runner up for first place.

The judges were Messers J. Gates, W. P. Turner, L. Hooper and S. N. Hennigar.

C. M. Stearns

NEW GROUPS ORGANIZED

Hygiene:

Mrs. Mary E. Roundy, R. N., will start a new group in Home Hygiene and care of the sick, in Peabody High School, on Tuesday evening February 1, Mrs. John L. Donovan, in charge, an advanced group on Thursday evening February 3 with Mrs. Margaret Greehy in charge.

Clothing:

Clothing groups are meeting in Clifton at the Hobbs' Memorial, Tuesday and Thursday afternoons; at Visiting Nurse room, Columbia Road, Swampscott, Thursday evenings; Middleton Sanatorium, Thursday mornings.

Furniture Renovation:

The class in Furniture Renovation is meeting Friday afternoons in West Newbury.

Home Grounds Improvement Meetings:

Home Grounds Improvement meetings are to be held in the County under the direction of Prof. Arnold M. Davis, State Extension Horticulturalist, in West Boxford, Wednesday, January 19, February 23 and March 9, Mrs. Mary Andrew Chairman, afternoon meetings.

He will be in Gloucester at Lorraine Hall, Middle and School streets, afternoons of Thursdays January 20, February 10 and March 10, Mrs. Guy S. Sweet, chairman.

On Tuesday February 9, Prof. Davis will be at the Essex County Agricultural School. On Friday February 11 in Beverly at meeting of the Beverly Garden Club, Miss Lucy M. Moulton, president. On March 11 he will speak at the meeting of the Little Garden Club of Greater Boston, meeting at the home of Mrs. Putnam, Lafayette Park, East Lynn, Mrs. Harold C. Childs, president.

NOTES OF THE COUNTY POULTRY ASSOCIATION

The next meeting of the Essex County Poultry Association is scheduled for mid-February, time, place and program will be announced later.

The Massachusetts Baby Chick Show will be in conjunction with Farmers and Homemakers Day.

The Poultry Breeders met at the School Dec. 16, at which time Mr. Hayes of the State College held a round table discussion and discussed the inheritance of egg color, shape, and texture as well as breeding for longevity. An exhibit of eggs showing likenesses and differences in families and individual in respect to egg quality was prepared by the school and added to interest to the discussion.

Dr. Hayes stated that apparently progress in desirable egg color could be best accomplished through use of a reasonably dark colored egg rather than using the most intense shade of brown.

J. Stanley Bennett

SOIL CONSERVATION ASS'N MET

Meetings have been held during the past month in various sections of the County by the members of the Essex County Soil Conservation association. The chairman of each community committee is automatically a director of the County association.

The directors and the communities they represent are as follows: Willis F. Austin, Amesbury-Salisbury; Ralph M. Woodworth, West Newbury-Merrimac; Winthrop Gleason, Haverhill-Groveland; Stuart L. Little, Newbury-Newburyport and Georgetown; George H. Sprague, Ipswich, Rowley, Hamilton; W. D. Bragdon, Methuen-Lawrence; Chester D. Abbott, Andover; Harry L. Cole, North Andover-West Boxford; William Hobart Clark, Danvers, Topsfield, Middleton, East Boxford; Melville G. Grey, Wenham, Beverly, Salem, Marblehead; Joseph F. Smith, Peabody-Lynnfield; Phillip V. Tarr, Gloucester, Rockport, Essex; Curtis V. Metcalf, Saugus, Lynn.

The 1937 officers were re-elected for 1938, namely Melville G. Grey, president; Joseph F. Smith, vice-president; Harry L. Cole, secretary.

According to the report of Charles S. Moxley 689 farms are enrolled with 405 having received payment under the 1937 act.

"HAPPY NEW YEAR"
(Continued from page 1)

grotesque performances of a childish nature.

About the 16th Century in England and Scotland. it was allowable to ask for New Year's gifts and Henry III is said to have extorted very valuable gifts. Queen Elizabeth's jewelry and wardrobe were almost wholly supplied by these gifts. The country tenants gave capons to their landlords. Another custom was the presenting of branches of trees for the sake of good luck in the coming year.

The custom of making rounds of calls upon New Year's Day comes to us from the New Amsterdam Dutch. The people of New York continued this custom for several centuries.

Thus it is that we today in our own way attend either midnight services in our churches or gather in groups to watch the old year out and the New Year in. Also during this period "some make effort to shake themselves free from their old year's garments. worn and tattered and patched, in exchange for one which they hope to wear unspotted for a twelvemonth."

Ethel Moore

Alexander the Great is said to have eaten at least one apple at every meal, sometimes six or seven at one sitting.

4-H CLUB NEWS

On January 28 there will be an inter-County meeting at the Norfolk County Agricultural School, Walpole. There will be leaders from Barnstable, Bristol, Dukes, Essex, Plymouth, and Norfolk present.

Those attending from Essex County with Mrs. Vera Underhill will be Mrs. G. Richard Abbott, Andover; Mrs. Leon Jordan, Groveland; Miss Marion Parker, Beverly and Mrs. W. H. Cann of Danvers.

On January 26, there will be a meeting, afternoon and evening at the Essex County Agricultural School in craft work under the direction of Mr. Melby Brady of the State College.

.....Attention is called to Leaders.....

Leaders! your attention is called to the new leaflet which is out on Music Appreciation entitled "A Musical Journey Around the World". Words as well as the music of the songs maybe obtained for forty cents. If you are interested write your 4-H officers at the County Extension office.

Directions for Folk Dances are also a new leaflet which you may have free by writing the County office, Hathorne, Mass.

Have you heard the 4-H Radio broadcasts by your County officers on Station WLAW? They were on January 11 and 18 at 12.30 noon. Listen for them and some of your co-workers in the future.

Saturday January 22 at 12.45, there will be a broadcast by Horace J. Shute and Mrs. Walter Blossom of Saugus over station WHDH. They will speak on Craft work.

A few days ago we were wondering if we had better tell you that there would be a Skiing School January 21 to 23 for Service club members at the Recreation Camp, Amherst. Mr. Brady will be in charge.

With the storm of yesterday, we feel safe in saying, as we go to print that there will be the Skiing School with plenty of snow to enjoy.

WEDNESDAY, MARCH 23

Wednesday, March 23, is the day all Farmers and Homemakers will want to mark on their calendar now, and reserve it for the annual Farmers and Homemakers Day at the Agricultural School.

In former years this has been a red letter day for all who had a part either as guest or host. This year bids fair to be a bigger and better day. The committee started plans for speakers some two months ago, and each week some new plan is made or perfected for the pleasure of those who will attend.

Please note it will be the Fourth Wednesday in March, the 23rd.

In cooking anything with cheese, use a low temperature because intense heat makes cheese tough and stringy.

ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., FEBRUARY, 1938

NO. 2

Farmers' and Homemakers' Day

The twenty-fourth annual Farmers' and Homemakers' Day has been set by the Trustees for Wednesday, March 23. Every effort is being made to make the program even better than in previous years. The plan is to have one general speaker in the main hall in the morning, and at 1.30 P. M. the meetings will be of a sectional nature, namely, homemaking, poultry, market gardening and fruit, livestock and dairying, gardening and floriculture, and a meeting for those interested in the care and protection of our shade trees, sponsored by the park and moth superintendents of the county. This meeting will have to do largely with the gypsy moth menace. Some other meetings may be arranged.

There will be the usual valuable trade display at which time interested dealers will give an opportunity to examine the latest in tools and equipment. Farmers can select their equipment and supplies with the best opportunities.

There will be an educational display of varied nature in both the Homemaking and Agricultural Departments of the School, and some very interesting special displays, including a baby chick show and a rabbit show.

Already the following speakers have been secured and subjects have been assigned: Miss Marjorie Black of the National Canners Association, Washington, D. C., who will speak to the homemaking section; Professor William R. Cole of the Massachusetts State College, who will discuss farm storage and canning from the point of view of the farmer; Mr. Herbert Lewis of Andover, who will discuss the handling and management of farm roadside stands; Professor Ralph W. Donaldson, who will discuss summer silage composed of grasses, alfalfa and clover; Mr. Arthur Magurn, Manager of the Boston Regional Produce Market, and Mr. Chester Dutton, connected with the same Market, who will speak on matters of interest to farmers who are or might use this wholesale marketing source; Prominent speakers from the College will discuss shade tree and park management problems, with particular reference to the control of insects. This section should interest every property owner.

Mr. Stimson Retires



RUFUS W. STIMSON

Mr. Stimson retires from the service of the State Department of Education this month, after more than a quarter century of valuable active service. Born on a Massachusetts farm, and educated at Harvard University, he brought to the service an unusually rich background.

The system which he has built up is widely studied and copied, even beyond the limits of this country.

Many a young man commencing in the field of agriculture or already well established, owes a deep debt of gratitude to the untiring enthusiasm and inspiration acquired from an acquaintance with Mr. Stimson.

National Cherry Week

February 20-26

This is the week we should serve our family cherries in one way or another. Of course we should serve them frequently and during any week, but it is desirable to make our menus fit the season and recognize the holidays. Cherries are accepted as observing both February 14 and February 22.

There are various kinds of cherries obtainable even at this time of year. Maybe you can get some fresh one but surely canned ones are available to all of us and at a reasonable price.

Queene Anne Cherries (light yellow blushed with pink) and dark red or black cherries are both canned whole and sweetened and make a very good fruit dessert served plain. Red sour cherries are probably best to use for cooking and they are canned in syrup or in water. Be sure to read the label on the can so you get what you desire. Canned cherry juice is a new member of the family just appearing. It has a natural flavor and glorious red color which add zest to the meal. Of course marachino cherries are a great favorite, especially as a garnish.

Don't forget that cherry pie is an all year favorite now and possibly it is easier to judge the sweetness of the canned ones than the raw ones. Use plenty of sugar—a cup to a pie is a good average. Tapioca or flour or cornstarch may be used for thickening.

Cherry Cobbler and Cherry Roll

Both are made with a rich baking powder biscuit dough are delicious. For the cobbler put your cherries with some juice, in a square cake pan. Add a cup of sugar and about 3 tablespoons tapioca. Shape dough to a square the size of the pan, place on top of fruit and bake in a moderate oven until the biscuit is done. Sauce: A good sauce is made by thickening the left over juice (add some water if there isn't enough) and sweetening to taste. A small amount of cream if you have it to spare added to this is an improvement. The same sauce is good served on the cherry roll made by putting the cherries in the dough and rolling up like a jelly roll. Bake this whole

(Continued page 2, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

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the Essex County Agricultural School

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Essex County Milk Goat Breeders' Association	
Secretary, R. H. Campbell	Topsfield

CALENDAR

- Feb. 21—Turkey film will be shown
at the School, 8 P. M.
- Feb. 22—Vegetable Growers will
meet at 1.30 at the School, Prof.
Dayton leading discussion.
- Feb. 24—Fruit Growers, Roy Moser,
specialist, State College, subject
"Costs of growing apples and how
to reduce them."
- Feb. 25—Homemaking dept. closes
for week's recess.
- March 3—Vegetable Growers, Room
28 at School, Instructor A. L. Da-
cey, subject "Starting the year's
program."
- March 4—Fruit Growers at 7.30 P.
M. at the School, Prof. O. C. Rob-
erts of State College subject "Small
fruits growing."
- March 18 and 19—State F. F. A.
meetings.
- March 23—Farmers' and Homemak-
ers' Day.
- March 24—Merrimac Town Forest,
10 A. M. Forestry Thinning dem-
onstration by Prof. R. B. Parmen-
ter.

Although the snow is gone, the
birds still need to be fed, it has been
a hard winter for many of our feath-
ered friends.

ONLY ONE MORE MONTH TO EXTERMINATE THE GYPSY MOTH

Tree lovers are greatly concerned
with the renewed activity of the
Gypsy Moth. Last summer they ob-
served the damage done by armies of
strikingly colored, tufted caterpillars.
Every city and town in Essex Coun-
ty had one or more infested areas.
Serious infestations in wooded re-
gions, where the trees had been al-
most completely defoliated, were
very much in evidence in all sections
of the county. The extent and inten-
sity of Gypsy damage completely
overshadowed that of any one year
since 1916.

Essex County is actually the core
of the infested area in the United
States—a region including most of
New England and isolated areas in
New Jersey, New York, Pennsylva-
nia and Ohio. Since 1923, when the
control or barrier zone was establish-
ed by state and national agencies,
the further spread of the Gypsy has
been checked and a constant yearly
campaign has been made to reduce
the limits of the infested area. In
this county, widespread efforts were
made to suppress the pest during
the years 1890-1918. With the severi-
ty of local infestations reduced to a
minimum, the intensity of control
efforts was greatly lessened, thus
making it possible for the pest to
re-establish itself and gradually py-
ramid its numbers. Now we have wit-
nessed the return of the Gypsy as a
formidable foe and the status of its
present population presents a serious
situation.

Fortunately, we are now familiar
with the life habits of the Gypsy
Moth. We also have knowledge of
control measures, which when effi-
ciently carried out, will effectively con-
trol this pest.

The Most Effective Control Mea-
sure is to destroy the egg masses
which can be found during the period
of September 1 to May 1st. The egg
mass or cluster is hairy and buff col-
ored. It is oval in shape, about two-
thirds as broad as long and looks and
feels like a piece of chamois skin.
The average egg cluster is about an
inch long, although they vary from
a half to two inches in length. In
known infested areas look for the
egg masses on stones and rocks,
fences, stumps and fallen trees and
on the trunks and lower branches of
standing trees. In scouting for in-
fested areas, pay particular atten-
tion to oak, willow, birch, poplar and
apple trees. All egg clusters should
be soaked with creosote to destroy
the eggs. Apply the creosote with a
soft brush. This material can be pur-
chased in most any hardware store
and in many places is sold as "Gypsy
Moth Creosote."

It will pay every property owner
to paint Gypsy egg masses and if
there is doubt in his or her mind as

NATIONAL CHERRY WEEK

(Continued from page 1)

or cut into individual slices and placed
in well greased muffin pans.

Drained cherries added to your
regular fritter batter and your favor-
ite muffin gives variety to your
menus. Wouldn't you enjoy a cherry
custard in cream puffs? They are
apt to have a great deal of flavor
and it is the filling that makes them
a success. Make your custard filling
with part cherry juice and add cher-
ries to the cooked mixture.

Gelatins make use of all fruits and
cherries are no exception.

Start the Cherry habit in honor of
the Father of Our Country and then
keep it up to please your family.

Ruth Emerson, Foods Dept.

PRACTICE TEACHER

Miss Genevieve Kolodziej of Haver-
hill and a Junior at Framingham
State Teacher's College in the Voc-
ational department has come to the
Homemaking School for eight weeks
of practice work. At the end of her
stay another student teacher will come
for eight weeks.

Miss Kolodziej will observe and
teach while at Essex Aggie. She will
teach Foods, Clothing, Related
Science, Dress Appreciation and Home
care.

to whether or not the trees are in-
fested, by all means make sure. Re-
member the old adage, "A Stitch in
Time Saves Nine." Now is the Time
for creosoting egg masses.

Young caterpillars are partial to
the foliage of oak, willow, poplar,
birch and fruit trees and they avoid
pine trees. When they grow older
they like to change their diet and
they move to convenient pine trees.
Now when deciduous trees are defol-
iated the chances of recovery are
usually good, however the defoliated
pine never recovers and it must be
remembered that big caterpillars can
do an "awful" job on pine needles.
The danger of pine infestations can
be greatly reduced by cutting out
from the groves all overtopping de-
ciduous trees with the exception of
ash. (The foliage on this tree is dis-
tasteful to the Gypsy).

Be Concerned About the Gypsy Moth

With your cooperation, the present
situation can be handled much more
quickly. You can help by controlling
this pest on your own property and
by arousing public opinion. Speak to
your friends and neighbors. Through
cooperation all of us can save many
Essex County Trees. Much informa-
tion about Gypsy Moth will be given
in later issues of this publication.
Look for these articles.

When you visit the school on Farm-
ers' and Homemakers' Day, March
23, make sure you look over the Gyp-
sy Moth Exhibit.

James Gallant

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

FEBRUARY, 1938

STUDENT EDITORS

Homemaking Department

Margaret Spinney, '38 Saugus
Helen Corliss, '38 Andover
Grace Mann, '38 Amesbury
Wyntha Tompkins, '38 Essex
Mary Anderson, '39 Peabody
Mildred Burke, '39 Methuen

Agricultural Department

Aubert Giles, '39 Danvers
Allyn Trask, Jr., '38 Peabody
Walter Winn, Jr., '38 Methuen

F. F. A. Reporter

Leonard Duratti, '38 Swampscott

PRIZE ESSAY CONTEST

The Eastern States Livestock Loss Prevention Association is sponsoring an Essay contest for the purpose of interesting young people in High School departments and Agricultural schools in Massachusetts, and bona fide 4-H Club members under twenty-one years of age, in the work of this Association. Fifty dollars in prizes is offered in each division, that is, the Vocational division and the 4-H Club division.

Millions of dollars are lost to the meat industry yearly, through careless handling of animals in transit. It is hoped that this contest will help bring about a realization that some of this loss may be prevented by proper handling and treatment of the animals.

Material on this subject may be obtained from the association headquarters, 51 Carver Street, Boston and the National Livestock Loss Prevention Board, 700 Exchange Bldg., Union Stockyards, Chicago, Ill.

The contest will close March 31, 1938.

A. S. G.

F. F. A. PUBLIC SPEAKING CONTEST

Finals in the F. F. A. Public Speaking contests will be held at Hopkins Academy, Hadley, on March 18. Fifty dollars is offered each year by the State department of Agriculture to the winners of this contest.

The Massachusetts State Grange has doubled the amount offered last year. The committee in charge has eighty dollars in prize money to be distributed among the winners.

This sum should spur Aggie students to do their best.

HONOR ROLL

Mid-years are over and the Honor Roll for the Second term has been announced, with a long list of Seniors as well as many others showing a high grade of marks.

Seniors

Leonard Duratti
Donald Nelson
Sidney Johnston
Leavitt Moulton
Clifford Nelson
Allyn Trask
Robert Corneliusen
Rhea Gosslin
Percy Curtis
Jacob Ranta
William Corning
John Kukene
Joseph Arnold
John Fay
Raymond Kennedy
Joshua Mattera
Norman Peatman
Albert Batchelder
Myron Eastwood
Meryle Shaw
John Wilcox
John Zielski
Paul Day
Gerard Hamel
Stanley Prophet
Gary Sano
Frank Story
Walter Winn

Swampscott
Methuen
Lynn
Beverly
Methuen
Peabody
Beverly
Haverhill
Rockport
Rockport
Beverly
Amesbury
Gloucester
Salem
Beverly
Swampscott
Andover
Andover
Methuen
Beverly
No. Andover
Peabody
Saugus
Lawrence
Haverhill
Lynn
Essex
Methuen

Juniors

Nicolas DiLisio
Conrad Nollett
Albert Greenaway
Robert Spencer
Alden Crosby
George Georgantis
Henry C. Smith
Aubert Giles
Paul Kelley
James Nealey
Roger Coleman
Peer P. Johnson, Jr.
Barbara Metzger

Swampscott
Andover
Marblehead
Danvers
Beverly
Lynn
Saugus
Danvers
Lynn
Andover
Beverly
Beverly
Lynn

Sophomores

Francis O'Connor
Arthur Bunting
Warren Nelson
William Senior
Newton Henricksen

Lynn
Methuen
Methuen
Newbury
Lawrence

Freshmen

Joseph Scouller
Harold Jones
Marland Rivers
Frank Lane

Lynn
Danvers
Haverhill
Manchester

High School Specials

John McDonald
Edward Mitchell, Jr.
Robert Sprague
Wallace Brown
Robert Chabot, Jr.
William Holt
David Irons
Algerd Ramaika
Martin Sevoian

Lynn
Lynn
Peabody
Gloucester
Haverhill
No. Andover
Salem
Haverhill
Methuen

GREEN AND WHITE

The Commencement number of the student publication, Green and White is now being prepared with John Kukene of Amesbury as managing editor, Olive Judge, assistant editor, Leonard Duratti, literary editor, with Sidney Johnston, Kay Johnson and Grace Mann as the senior editors. The subscriptions and advertising is being handled by Joseph Bergeron of Lawrence.

THE SENIOR BALL

The Senior Ball, held on February 4, was very enjoyable for all who attended.

A large number of students and guests patronized the dance which featured "Fran" Richie and his orchestra.

Under the chairmanship of Leonard Duratti, the decoration committee did a fine job in transforming the hall into a mythical flagship.

The other committee chairmen who contributed to the success of the dance were: Sidney Johnston, orchestra; John Fay, tickets; Eileen DeTour, matrons; Allison Noyes, checking; Dorothy Doerr, refreshments and picture.

A. T.

Homemaking Department High School Specials

Madelyn Cady	Lawrence
Eileen DeTour	Beverly
Dorothy Doerr	Methuen
Susan Ellery	Gloucester
Pauline Graichen	Lawrence
Marjorie Loveys	Danvers
Grace Mann	Amesbury
Hattie Martin	Lawrence
Betty Neif	Lawrence
Ruth Poland	Newburyport
Natalie Sheldon	Middleton
Vivian Timm	Gloucester
Wyntha Tompkins	Essex
Frances Woodhouse	Salem
Eleanore Yerbury	Danvers

Seniors

Ellen Wills

Ipswich

Juniors

Mildred Burke	Methuen
Frances Gangi	Lawrence
Ada Marsland	Lawrence
Edith Sharp	Methuen
Edith Skidmore	Lynn

Freshmen

June Agersea	Saugus
Cecil Cheney	Lynnfield
Olive Judge	Lawrence
Elsa Ljunggren	Danvers
	W. T.

F. F. A. GENERAL MEETING

At the general meeting of the F. F. A., Wednesday, February 2, Jacob Ranta, president of the Essex Chapter, presented Future Farmer pins to thirteen members who had passed all requirements for the grade.

Following presentation of the pins, the members enjoyed a technicolor film which pictured the sports available to those who go on the week-end snow trains to New Hampshire and Maine.

Mr. Otto Hermann of the Boston and Maine Railroad advertising department presented the film and gave a short talk on the history of the snow train.

Those who received their pins at this meeting were: Roger Coleman, Arvid Ljunggren, John Balzarini, David P. Foss, Ernest Campbell, Willis A. Lord, Andrew Kelley, George Georantis, Aubert Giles, Albert Greenaway, Barbara Metzger, Robert Spencer and Alden Crosby.

A. S. G.

SENIOR CLASS PICTURES

The Senior Class Picture Committee awarded the picture contract to the Warren Kay Vantine Studios of Boston.

During the latter part of the first week of this month the Library annex was converted into a studio and all the Seniors posed for their pictures. Several group pictures of students participating in extra curricular activities were also taken.

The members of the picture committee are: Dorothy Doerr, Nathalie Sheldon, Marguerite Coleman, Grace Taylor, Gertrude Hennessey, Virginia Donovan, Lucille Peltier, Jacob Ranta, Leonard Duratti, William Corning, Leroy MacAloney, and Joseph Arnold.

A. T.

SENIOR FOOD SHOP

One division of the senior class has been making cakes and cookies to sell to friends and students. These cakes had either a butter frosting or a cooked icing and the cookies were either fruit or chocolate.

The purpose of this unit was to give some work in food shop practice. Before orders were taken there was an exhibit in the show case in the school office.

These cakes and cookies proved that much skill was used while baking them. Later in the year the other senior division will have practice making cakes and cookies.

M. A.

STUDENTS HOW ABOUT YOUR LUNCH?

What do you eat for lunch? A "Nestle's bar and a bag of chips?" If you are like many others you do.

Recently, a teacher in the Home-making department asked her students to keep a record of what they ate for lunch during one week. Imagine her surprise and amazement when fifteen out of twenty-one records showed that the girls were choosing candy, chips and desserts for their lunches, were drinking no beverage and in many cases never chose a "hot dish."

Is it any wonder that pupils complain of being tired or that teachers get less response in afternoon classes? An automobile will not run with out oil and gasoline, your body will not function without food and drink. You do not expect good mileage from automobiles that are neglected so why expect wonders from your bodies if you neglect them.

Campaigns for many things are popular now. Why not have a "campaign for better lunches." You can improve yours and make it a "good one" whether you bring it from home or buy it at school.

Let vitamins be your spark plugs, Minerals your carburetor. Good food and drink, your gasoline And you'll find your pep is greater!

Lois R. Bates

ALUMNI NOTES

Alma Boswell of the class of '33 is working as a household assistant in her home town, Beverly.

Olive Phinney '33 of Danvers who is a graduate of the Children's Hospital in Boston, is now supervisor of Nursing in the Portsmouth District Nursing Assoc. at Portsmouth, New Hampshire.

Paul Fischer '33 and Elmer Aldrich '36 are both employed at the Sunny Beach Poultry Farm in Auburn, Maine.

Leila Wray '34 of Lawrence is an Attendant Nurse at the Montefiore Hospital, Bronx, New York City.

Margaret Foss '35 of Essex has entered the Children's Hospital in Boston for training.

Anita Granville '36 of Marblehead has been employed since December as pastry cook at the Breakers' Hotel, Palm Beach, Florida.

Marion Hodgkins '35 of Rockport is employed as waitress at Schraff's in Boston.

Florence Chadder '36 of Peabody is a student at Mary Brook's School in Boston, for the Nursery Settlement course.

Florence Hirst '36 of Methuen is employed as a Nursery Maid at Apponaug, Rhode Island.

Ruth Riley '36 of Lawrence is in training at St. John's Hospital in Lowell.

Helen Chase '36 of Newburyport is also employed as a nurse-maid in Waban, Mass.

ASSEMBLIES

Two recent assemblies in the Home-making department included a talk on prevention of Tuberculosis and one on Health Camp activities.

On Tuesday February 8, Dr. McHugh from the Essex County Sanatorium spoke on Tuberculosis and its prevention.

Dr. McHugh told us that they have found that the tubercle bacilli causes tuberculosis and they have also found the disease can be cured. The tuberculosis germ can not be seen with the human eye without the aid of a powerful microscope. Thousands of these little germs can pass through a pin hole they are so small.

If the disease is discovered before the germ has done much damage, the patients have a good chance of recovery. They have the record of ninety-four out of one hundred people saved from this disease. This is a very remarkable record.

Many people have tuberculosis for a long time and don't know it, until they are examined. This examination is expensive if done by a doctor outside of school. Our school offers the opportunity of getting this test free of charge.

To cure this disease after it has had a start takes from two to twelve years. The cost for one year in a sanatorium for one patient is about \$100.

On Thursday, February 10, Miss Vera Griffin, who is director of the Essex County Health Camp, told of her work there and showed pictures of the camp. This was especially interesting to the members of the Echo Club because they have contributed to the fund for carrying on this work.

M. B.

Esther Boyle who would be a member of the class of '38 is a freshman at New Hampshire University, Durham, New Hampshire.

Donald Vaughan '26 manager of the Windsor County Farmers' Exchange Inc., visited the school recently. "Bill" Chase '32 is assistant manager of this "Co-op" located at White River Junction, Vermont.

J. F. MacKenzie '31 of Wakefield stopped in to see old friends. "Mac" has seen much of New England as he is field man for a large linoleum concern of Boston.

Donald Bentley '32 spoke to one of the senior divisions on "Purchasing a Farm through the Federal Land Bank of Springfield."

W. T.

FARMERS' AND
HOMEMAKERS' DAY

MARCH 23

WALTER W. HICHENS RECORD

At the graduation Walter Hichens and Gilbert Freeman gave a dialogue of their project accomplishments. As much has been written of late regarding the work of Gilbert Freeman, we will not repeat here. Walter entered Essex Aggie after graduating from Lynn Classical High School, trained for a machinist's profession. After looking for a position in many manufacturing companies to no avail his father who had recently purchased a farm suggested that he enter the Agricultural school and study farming. He entered Essex Aggie, September 1934.

One of the first things he did was to purchase twelve chicks from Woolworth's five and ten cent store. He studied poultry and vegetable gardening his first year at school, operated a vegetable garden and bought 50 New Hampshire Red chicks, raising them with a homemade brooder arrangement.

Last fall he purchased a house for his late pullets, and has carried on a two acre garden and cared for 600 strawberry plants and had 900 chicks.

This year he picked over 350 quarts of strawberries, had a vegetable garden and has 500 pullets left from 1000 chicks to go into the winter with.

He plans now that he is out of school to raise just as many chicks as this year, but practically all that he buys will be pullets as he hopes to house about 900 pullets in the fall of 1938 and have about 100 broilers and roasting chickens for retail trade.

While in school he took part in the school activities, he was drummer in the school orchestra for three years, on the editorial board of the Green and White for three years, finishing as Editor-in-chief, alternate for the Fruit Judging team, and holding chairman and secretary offices in various clubs and committees.

GLADIOLUS

Prof. Arnold M. Davis of the State College says: "A years ago gladiolus was perhaps the most popular garden flower that we had. Then with the introduction of the gladiolus thrips and the difficulty of controlling the pest, the plant lost a great deal of its popularity. But pest or no pest, it still is one of the most beautiful garden flowers that can be grown in a season and is dependable as any plant.

New varieties are constantly being introduced that are far and above the older varieties which you knew. All of this leads up to the fact that if you grow gladiolus and are interested in trying some of the new varieties, you should be planning to order them now.

Or if you have corns or bulbs of your own from last year, you should clean them now. That means that you should pick off most of the old scales. When you have selected those you

AT CAMP MAYANUK

The following article is a summary of the essay written by Irene Snell and given by her at the 1937 Graduation Exercises.

"Last summer Priscilla Hopkins and I were chosen to work at Camp Mayanuk. This camp is situated on the shores of Fort Pond, Leominster. It has sixteen acres of land covered with lofty pines, and grouped under these are the porches that serve as bedrooms for councillors and as dining room, and "Ye Olde Putter Shoppe" where the children have a chance to express their creative abilities. A path leads to the water's edge where there are two bath-houses two docks, boats and a float for the swimmers and divers.

Priscilla and I arrived at camp on June 29. The camp committee came during the morning to get ready for the campers coming the next day. We spent our time getting the kitchen in order, going in swimming towards supper time, and attending a councillors' meeting in the evening.

The next morning was spent in finishing the cleaning of the kitchen. During the day campers arrived and fifty sat down to supper that evening. The first few meals took quite a while to prepare, but as time went on we gained speed.

We got up at 6.30 daily to have breakfast ready by 8.00. After breakfast we washed the dishes and prepared vegetables that the children couldn't do during the morning, and made our beds in any spare time.

We had planned the meals for four weeks in advance, but later used those that the camp director had planned instead. After dinner we rested and then puttered in "Ye Olde Putter Shoppe" until time to get supper.

Time that was not spent in preparing meals was used for washing the kitchen floor and cleaning the refrigerator daily, with Priscilla washing the floor one day while I cleaned the refrigerator and changing the next day. We also enlivened our kitchen with red checked shelf paper, and our Home Decoration course with Miss Harris would have helped a lot had we been allowed to change the drab brown color of the woodwork.

We served our last meal on the morning of August 15 on paper dishes to save washing them. We left soon after 10.00 with many thanks from the Wanocksett Girl Scout Committee for doing such a good job, and their hopes of our return next year.

G. M.

GARDEN CHAT

The tempting colored plates of outstanding varieties of vegetables which are shown in the 1938 seed catalogues are urging vegetable growers to think about their gardens for the coming season. Several hundred strains and varieties of vegetables were planted at the school market garden during 1937 with the result that the following are recommended for your trial in 1938 as vegetables high in quality and good yield:

Asparagus—Mary and Martha Washington.

Beans—(Green flat) Bountiful; (Green round) Stringless Green Pod; (Yellow flat) Sure Crop; (Yellow round) Pencil Pod Black Wax; (Lima bush) Fordhook; (Pole) Kentucky Wonder, green and wax.

Broccoli—Italian Green Sprouting. Cabbage—Golden Acre (early); Penn State Ball Head (late); Winchester Savoy as a curled variety; and Red Rock for a red variety. Chinese Cabbage—Chihili.

Cauliflower—Spowball.

Carrots—Red Cored Chantenay, Imperator, Nantes, and Hutchinson.

Celery—Golden Plume (California strain) for early, and Boston Market and Giant Pascal for late.

Cucumbers—Straight 8.

Corn—Early Sensation, Mar Cross 6, Golden Cross Bantam (Varieties mature in order given).

Endive—Board Leaf Batavian and Green Curled.

Lettuce Iceberg (N. Y. No. 12 and N. Y. No. 515) White Big Boston (Butter type of head).

Onions—Japanese Sets of Ebenezer (Sets), Early Grand for early bunching type (Seed).

Peas—World's Record, Dwarf Alderman and (late tall climbing)

Parsnips—Model.

Peppers—(Sweet) Waltham Beauty, Ruby King, Worldbeater, (Hot) Squash, Long Cayenne.

Radish—Scarlet Globe and Cavalier (Scarlet; White Icicle (White).

Spinach—Dark Green Bloomsdale, Summer Savoy, and Va. Blight Resistant Savoy.

Pumpkins and Squash—Sugar Pie Pumpkin; Summer Straight Neck (Summer Squash); Golden Delicious, DesMoines, Blue Hubbard (Squash).

Tomatoes—(Trellis) Comet; (Field Grown) Bonny Best, John Baer, Marglobe, Stone, Rutgers, Nystate.

Turnip—Purple Top Globe, Purple Top Strap Leaf, Macomber, (White Long Island (Yellow flesh).

C. M. Stearns

wish to use store them in paper bags. For each 100 corns, add one cup of naphthalene flakes or moth balls, they are of the same composition. This method of fumigation will definitely control the thrips and will in no way injure the gladiolus corns.

FARMERS AND
HOMEMAKERS DAY
MARCH 23

COUNTY AGENT'S NOTES

Prof. J. W. Dayton and your County Agent attended a very interesting meeting in the Armenian church vestry off Salem Street, Methuen, February 9. Motion pictures of practices in tomato growing were shown and there was a lively discussion of fertilizers and pest control. Committee-man Samuel Vartanian was in charge of the meeting.

Soil conservation work is going forward slowly, waiting for the "Green Light" from Washington. In the meantime potato acreage in the County is being checked up by Charles S. Moxley, Conservation Agent.

The S. C. A. County committee has secured a new desk and other equipment from the State office; hired a new clerk to take the place of the one just resigned and is getting lists made up for the 1938 program, when definite instructions are received to go ahead.

Broadcasts by members of the Extension Service of the Essex County Agricultural School are continuing over Station WLAW at Lawrence at 12.30 P. M., Tuesdays over a wave length of 680 kilocycles. This is between WHDH and WEI. Are you hearing these programs?

The series of meetings by the Fruit Growers and Vegetable Growers are going forward with good leaders and worth while discussions.

Two short unit courses for adults are being operated here at the Agricultural School weekly. Every Wednesday evening Instructor Perkins meets the adult group in "Soils and Fertilizers". The Soil testing equipment here at the School is being set up and those who desire to bring samples here may secure a test of soil for acidity; for phosphorus and potash, and organic matter.

Thursday evenings Instructor Forman meets with his group in "Dairy Feeding and Management".

BASKETBALL

The boys Prep School team has played nine games since January first and won nine games, some with more ease than others. The outstanding games have been with Gloucester, Sanborn and Roxbury Boys' Club.

One new departure this year has been the strictly High School team which is eligible under the Massachusetts High School rules to play local high schools. They have not been any too successful, although they have won over Ipswich and Hamilton.

The High School Second team has been rather successful winning six out of eight games. The next three weeks will wind up the season with games with Stockbridge, Boston Boys' Club, Melrose and Somerville Vocational.

Phillip Couhig, Coach

NOTICE TO MOTHERS

Mrs. Ruth D. Morley, Parental education specialist at the Mass. State College, is to broadcast to the young mothers on Tuesdays at eleven o'clock, over station WLAW, Lawrence; during March, April and early May. Her subject will be "Child Training."

Mrs. Mary M. McIntire, Home demonstration agent for Essex County will speak on Tuesday, February 22 at 12.30 on "Household Hints".

IMMIGRATION COMMISSIONER

AT HOMEMAKERS' DAY

Mrs. McIntire is planning to have Miss Mary Ward, Commissioner of Immigration at the Port of Boston for one of the afternoon speakers on Farmers' and Homemakers' Day.

As we go to press we have received word from Miss Marjorie Black of the National Canners Association that she will speak on the subject "Interpreting the contents of the can".

These two speakers will be heard between 1.30 and 3.30 in the Home-making school. There will be an exhibit of canned goods during the whole day.

If you wish further information regarding the day write the Extension Department, at Hathorne, Mass., and listen to the Tuesdays' broadcasts on station WLAW.

HOBBY SHOW

The Annual Hobby Show was held in the Library January 26 to 31. Many of the students exhibited articles as well as some of the Instructors. Among the out-standing exhibits was a hand carved plow done by Henry Thurlow, Jr., A lighthouse carved and electrified done by Instructor Chase and a hand carved mirror frame also done by Instructor Chase. This was a reproduction of an antique.

A collection of articles brought home from the Boy Scout Jamboree in Washington, D. C. last year was loaned by Scout Master John Ross of Middleton and former student at the School. These articles ranged from tiny seeds to a large section of bark from one of the Sequoia Redwoods of California with its tiny cone to a huge cone from the Sugar Pine of California.

Special awards were given to Nicholas DiLisio for his model yacht, Warren French, book of mechanical drawings; Meryle Shaw, collection of popular songs; Leroy MacAloney snapshots taken at the Jamboree and to Roger Coleman for his collection of pencil drawings.

Other prizes went to Henry C. Smith, Robert MacAfee, Robert Chabot, William French, Leavitt Moulton, Paul Parker, Edwin Wentworth, James Nugent, John Carey and John Adams.

4-H CLUB MEMBERS CAMPAIGN AGAINST TENT CATERPILLAR

County 4-H Club Agent Horace J. Shute announces the following prizes that will be awarded during the campaign for exterminating the Tent Caterpillar from the County. Now is the time to gather the egg clusters and the time for bringing them in to local headquarters will be March 15 to April 15. These dates are not to be confused with the dates listed at a previous time for the local improvement societies and their campaigns.

1. To the 4-H club doing the best job in the campaign, \$25. The award will be based on the following: average number of egg clusters collected per individual club member; story and picture work done, map of area covered.

2. Individual prizes to Group A—to club members 15 years of age and over, prizes of \$5, \$3, \$2 and five prizes of \$1 will be awarded.

Group B—To club members under 15 years of age: prizes of \$5, \$3, \$2 and five prizes of \$1 each will be awarded.

To the three towns of the State reporting the largest total collections through 4-H Clubs prizes of \$15, \$10, and \$5 will be awarded. The awards based on conditions similar to the club awards.

To the Champion Club in the State, \$20 will be awarded in addition to the Hugh P. Baker Conservation Trophy.

Any further information will be given to those interested by writing to Horace J. Shute, Essex Agricultural School, Hathorne.

The County 4-H Club Agents, Mrs. Vera Underhill and Horace J. Shute, are planning a local leaders training course on the evening of March 23 at the School. Lawrence V. Loy, Extension specialist in Community organization and recreation will be present.

Some of the 4-H Club members of the County are to have charge of the cafeteria lunch which will be served to those attending the Farmers and Homemakers' Day at the School.

The 1938 4-H Club Appropriate Dress Revue is being planned for May 21, while the State Home Furnishing Contest for 4-H club members will be held in June. All exhibits for this affair must be at the June Extension Service by June 2, 1938.

For further details of these write to your County Agent Mrs. Underhill at the Essex Agricultural School.

FARMERS' AND
HOMEMAKERS' DAY

MARCH 23

ESSEX FARMER AND HOME MAKER

VOL 20.

HATHORNE, MASS., MARCH, 1938

NO. 3

Twenty-fourth Annual Farmers' - Homemakers' Day WEDNESDAY, MARCH 23, 1938

Departmental Exhibits Planned

The different departments are preparing exhibits to be shown in the classrooms on Farmers' and Homemakers' Day, March 23.

Foods

The foods department will exhibit in the teachers' dining room. This will consist of two dinner tables set with dinners having rabbit as the main course, the rabbits having been raised in Essex County. Also, there will be an educational exhibit of canned goods in various sizes and grades that may be purchased. This exhibit has been planned in connection with the talk to be given by Miss Black during the afternoon session.

Home Decoration

An exhibit in connection with the Home Decoration classes is to be shown of fabrics suitable for bedroom curtains. A group which would look well in each, a boy's bedroom, a girl's bedroom and a master's bedroom will be shown.

Maps

Miss Clarke is having an exhibit of maps showing areas of present world conflict, local civic centers, some showing English birthplaces of English authors and graphs and maps in relation to economic problems.

Child Care

Mrs. Roundy is showing the note books which the Seniors and High School Special classes have compiled and the toy unit will also be shown.

Clothing

All of the clothing exhibits will be shown in Mrs. Dunn and Mrs. Clapp's rooms. Among those shown will be some skirts and blouses which the Juniors have been making under Miss McLunkin's instructions.

Mrs. Dunn will exhibit wool and silk dresses; coats and suits for her various classes of Senior and High School Special. Mrs. Clapp is going to show some of the applique work her Freshmen classes have been doing
(Continued page 3, col. 1)

Will Be Heard In Talk On "Immigration"



MISS MARY WARD

A UNIQUE EXHIBIT

What is your hobby? Sterling H. Pool of Lynn and Rockport has a hobby for growing, fitting, and exhibiting ornamental gourds. His display at a recent meeting and lecture was so unique that he has been asked, and has consented, to set up the exhibit in even a larger way.

On Farmers' Day, March 23, plan to see this most interesting display of ornamental gourds, and see the many adaptations of this curious little vegetable-fruit.

Do you know that these gourd growers have a national society of their own? Mr. Pool is president of the society. They are also building up a literature. This exhibit will be served by some member gourd growers throughout the day. Plan to see the exhibit and talk with the exhibitors.

Three Excellent Speakers Coming

Rev. John Nicol Mark, Miss Marjorie Black and Miss Mary Ward, will be the speakers at the 24th annual spring event.

"Scotch Wit and New England Philosophy," will be the subject of Rev. John Nicol Mark's talk at the morning session of the Farmers' and Homemakers' Day. This will be held in the assembly hall in the Agricultural building and those who have heard John Nicol Mark, are most enthusiastic about him.

Following this there will be many exhibits both educational as well as trade exhibits to view. There will be a historical exhibit of plows. To qualify for this the plows must be at least one hundred years old.

Miss Marjorie Black of the National Canners' Association, Washington, D. C. is speaking in the afternoon at 1.30 in the Homemaking building. Her subject is "Interpreting the contents of the can". There will be an exhibit of canned goods. Some of the cans will be open so that those attending may

see the various grades of canned goods. Be ready to ask Miss Black questions pertaining to canned goods. Miss Mary Ward, District Commissioner of Immigration and Naturalization at the Port of Boston will be another speaker for the women during the afternoon. Miss Ward has chosen for her subject "Who say that Immigration is not interesting".

There will be sectional meetings with the Poultry men having their annual Baby Chick Show and Auction. At their meeting Prof. Gay T. Klein of the State College will speak on "Marketing of eggs and poultry".

Dairymen

The dairymen will meet with Prof. Ralph Donaldson speaking on "Damage to Alfalfa from early cutting"; Professors Clifford J. Fawcett and John G. Archibald will discuss "Grass Silage" while Dr. C. L. Martin of University of New Hampshire will
(Page 2, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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Association
Secretary, R. H. Campbell, Topsfield

CALENDAR

Mar. 18 and 19—Judging elimination
at State College.
Mar. 18—State F. F. A. meetings and
State Public Speaking contest.
Mar. 22—Judging at Spring Flower
Show, Boston.
Mar. 23—FARMERS' and HOME-
MAKERS' DAY, 10.30 on through
the day.
Mar. 31—Athletic Banquet at the
School.
April 5—Goat Breeders' Banquet at
the School.
April 7—Pomona Grange at Salisbu-
ry.

ATHLETIC BANQUET

The Recreation committee of the
Essex Chapter F. F. A. are prepar-
ing for the Athletic banquet to be
held on Thursday, March 31.

The graduating class has a large
number of letter-men. Those who
have earned three "E's" either foot-
ball or basketball are: Leroy Mac-
Aloney, Allyn Trask, Gary Sano, John
Fay, Jacob Ranta and John Munroe.

Those who have earned two "E's"
are: "Pete" Curtis and Myron East-
wood. Those who have acquired one
"E" are: Howard Wilson, Walter
Tataronis, Joseph Arnold and Albert
Batchelder. These students represent
one third of the senior class.

CROP INSURANCE THROUGH SEED TREATMENT

Past experience has convinced many
a gardener that good seed which
germinates well does not always make
a good stand. Experimental work has
demonstrated that many of these
failures and disappointments could
have been prevented by planting
"treated seed". It is definitely known
that many disease organisms attack
the new young seedlings before they
have an opportunity to permanently
establish themselves in the soil. Many
of these organisms are seed borne,
that is, they are carried either in or
on the seed. Special treatments have
been developed which will destroy
these organisms, the particular treat-
ment being determined by the spec-
ific disease to be prevented.

Other organisms live in the soil
and tender young plants are par-
ticularly susceptible to their attacks.
Soils used in greenhouses, cold
frames and flats can usually be made
safe through sterilization or soil treat-
ment. However the open field will al-
ways remain as a source of infection,
especially when conditions are fa-
vorable for the development of dis-
ease organisms.

One particular group of soil in-
habiting organisms, which causes
"damping-off" of seedlings, can be
rendered harmless through the use
of specific chemicals. Red copper
oxide and zinc oxide will give pro-
tection to the germinating seeds a-
gainst "damping-off" organisms.
These chemicals are especially rec-
ommended for the treatment of seeds to
be germinated in hot beds. When
seeds are started in flats, seed treat-
ment as a method for "damping-off"
control can be substituted for soil
treatment.

When the grower treats his own
seed he must use the correct material
and then follow the recommended
method explicitly. Some growers may
wish to purchase seed already treat-
ed. This can be done by dealing with
a company which gives this added
protection to the seeds they sell.

Further information pertaining to
recommended seed treatments and
necessary precautions may be obtain-
ed by writing to the School.

James F. Gallant

WOODCHUCK CONTROL

Where the control of woodchucks
on farming areas is difficult, the U. S.
Biological Survey will gladly lend
assistance. A program of control op-
erations is to start early in April
when the burrows can be seen from
a distance and before the newly born
woodchucks emerge. Interested per-
sons should write a postcard to Mr.
W. W. Dykstra, 410 Federal Bldg.,
Worcester, Massachusetts or to Coun-
ty Agent Francis C. Smith, Hathorne,
Mass., c/o Essex County Agricultural
School.

MEETINGS OF INTEREST TO WOMEN

A group of women from Marble-
head, Clifton, and Swampscott met
on March 16 at the Hobbs Memorial,
at which time Mrs. Esther C. Page,
State Clothing Specialist, spoke on
"A touch of Fashion in the Spring."

Mrs. Page will talk to a group in
Ipswich on March 30 and will be back
in the County on April 20. Any com-
munity interested in having Mrs.
Page on that date get in touch with
Mrs. Mary M. McIntire at the Essex
Agricultural School.

Spring groups in Upholstering will
meet with Mrs. McIntire at Newbu-
ry, West Newbury, and Ipswich the
first week in April.

Home Hygiene groups are meeting
under the direction of Mrs. Mary E.
Roundy, two groups in Salem, two in
Peabody and one in Marblehead.

Mrs. Mildred Snell is instructing
groups in nutrition and the art of
wise buying. These groups are meet-
ing in Marblehead, Swampscott and
Clifton.

Mrs. Ruth Morley, child training
specialist at the Mass. State College
is speaking each Tuesday morning
at eleven o'clock over station WLAW
to the young mothers of the county.

If you have any questions to ask
Mrs. Morley write her, and she will
answer them during this time over
the radio.

(Continued from page 1, col. 3)
speak on "Troublesome Dairy herd
diseases".

Market Gardens and Fruit

Those interested in market gardens
and fruit will have the pleasure of
hearing Herbert Lewis of Andover
discuss "Roadside markets", with
Prof. William R. Cole discussing
"Farm cold storage for fruits and
vegetables". Messers Arthur Magurn
and Chester Dutton of the Boston
Regional Market will discuss the sub-
ject from their standpoint.

The Tree Wardens and Moth Super-
intendents will have a meeting this
year and the North Shore Garden
Club is co-operating with them, Prof.
William S. Becker, entomologist at
the State College will speak on "Some
shade tree pests and their control."
They will have an exhibit of gypsy
moths, the work of termites and
powder-post beetles, which will be of
interest to all.

Bee Club

The Bee club will meet and they
will also have an exhibit. There will
be some student exhibits in the Agri-
cultural building as well as those list-
ed elsewhere that will be at the
Homemaking school.

Gardening and Floriculture

The Floriculture Club will have
their spring flower show and at the
meeting for gardeners and those in-
terested in gardens and flowers Prof.
George Graves of the Waltham Field
Station will speak on "New and val-
uable woody plant material."

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

MARCH, 1938

STUDENT EDITORS

Homemaking Department

Margaret Spinney, '38 Saugus
Helen Corliss, '38 Andover
Grace Mann, '38 Amesbury
Wyntha Tompkins, '38 Essex
Mary Anderson, '39 Peabody
Mildred Burke, '39 Methuen

Agricultural Department

Aubert Giles, '39 Danvers
Allyn Trask, Jr., '38 Peabody
Walter Winn, Jr., '38 Methuen

F. F. A. Reporter

Leonard Duratti, '38 Swampscott

LUNCHEON PARTIES

The Senior girls are working on an interesting unit in foods classes. They are having luncheon parties during the noon period. Each Senior girl has a turn to be hostess, waitress, and to be a member of the party.

The hostess has to make out the market list, menu, figure out the cost of the meal and list the people whom she is inviting to attend her luncheon. She is entitled to invite one of the faculty, a girl from her home room, and two other girls from different divisions and she has to choose her waitress.

All these items must be checked by Miss Emerson, the Senior Foods Instructor before the day of the luncheon. The hostess and her waitress have to cook the meal.

When everything is in readiness the hostess meets her guests at an appointed time and conducts them to the luncheon table.

The waitress then proceeds to continue her duties by serving the meal in the best way she knows how.

This unit will continue until each girl has had her turn as hostess.

M. B.

NEW OFFICERS OF F. F. A.

Tuesday, March 8, was election day among the members of the F. F. A. The newly elected officers of the chapter are John Balzarini of Rockport, president; Paul Kelley, Lynn, vice-president; Albert Greenaway, Marblehead, treasurer; Roger Colman, Beverly, secretary; Andrew Kelley, Nahant, reporter; class representatives are George Georgantiss, Lynn, senior class; David Irons, Salem, junior class and James Malley, Methuen, sophomore representative.

SPRING FLOWER SHOW

These are busy days for the members of the Floriculture Club, besides their many duties there are the extra things to be done for Farmers' and Homemakers' Day.

The Spring Flower Show at the School which is sponsored by this club comes just at this time too, March 22, 23, and 24. Those responsible for the success of this are John Draper, show manager; Edith Campbell and Albert Greenaway, clerks. Robert MacAfee, William French and Helen Ouellette are in charge of the schedules and prizes, Robert Bowley, Eugene Cahill and Thomas Fullerton, staging committee.

Frank O'Connor and Frank Golden, judging; Aubert Giles and Albert Greenaway, labeling; Henry Smith and Edith Campbell, publicity.

The division chairmen are: Collections, Robert MacAfee; displays, William French, house plants, Aubert Giles; potted plants, Robert Bowley; plant arrangements, Marilyn Peabody; miniature gardens, Kay Johnson; garden plans, John Draper; flower arrangements, Helen Ouellette, unclassified, Thomas Fullerton.

Members of the Floriculture will have an exhibit at the Spring Flower Show at Mechanics building, March 17 to 23. They will judge at the Show on the 17 and 22.

At the meeting of the Club March 9, the guest speaker was Miss Ida May Perkins a graduate of the school class of 1930 and now with the firm of White and Johnson of Wakefield.

STUDENT PROJECTS

The first day of spring being just around the corner causes the students of the school to look forward to a project season in some phase of agriculture. The student upon finishing his scholastic course satisfactorily is allowed to go out on a project that has the approval of the school.

Our students greet the project season with the idea that they can go out and put into practice the knowledge that they have obtained in school. Of course the student realizes that what he learns in school is very meager in comparison to the experience and knowledge obtained in actually working at his phase of agriculture for a number of years. This is the reason for the project.

The faculty of the school endeavors to place every boy on a project, either ownership or employed. Many boys already have a project lined up for the season. Many others are looking forward to the chance to go on their first project season and others are looking for a chance to better themselves.

NEW BOOKS IN THE HOMEMAKING DEPARTMENT

For several years each Senior class has added a section of sidewalk to the school grounds.

Last year after the section of walk was completed there was some money left, and the class of '37 voted to use it to purchase books for the library. The selection of the books was left to the class advisors, Miss McJunkin, Miss Harris, Mr. Knowlton and Mr. Bennett. There was approximately ten dollars left for each department for books.

They took a list of the books the different teachers suggested and selected books from this list.

A copy of "Bartlett's Familiar Quotations" was purchased for each department. "Armistice Day" a book with poems and stories about this day was also purchased, "Creative Chemistry" by Slosson is a book on Chemistry for use in science classes and "The Wisdom of the Body" by Prof. Cannon is a book on hygiene.

The rest of the money that was left was put into the general library fund.

M. S.

JUNIOR CLASS NOTES

The class of '39 started on its way on the 12th of January when the following officers were elected: Henry Smith, president; Ada Marsland, vice-president; John Balzarini, treasurer; Edith Skidmore, assistant treasurer; and Edith Sharp, secretary.

On January 28, the first general meeting was held, at this time the amount of dues was decided upon, the date of the dance was set and the budget accepted.

The second general meeting was held on February 24 when final arrangements for the dance was made.

Miss Bessie McJunkin, Miss Louise Bates, Mr. Metcalf and Mr. Cartwright are the faculty advisors of this class.

A. S. G.

When sandwiches are buttered, the filling is not so likely to soak into the bread and make it soggy.

Applications should be made to the school immediately if an employer would like a boy from "Aggie".

We feel sure that employers will be able to find the type of boy they want here at this school with an enrollment of about two hundred students.

A. T.

THE F. F. A. ARE HOSTS

In spite of the blizzard raging outside, the F. F. A. staged their annual amateur show on Friday, February 25, followed by a dance with Dick Putnam's orchestra playing.

The party opened with selections from the school orchestra under the direction of Instructor Wood. In the absence of the president of the F. F. A., Jacob Ranta because of illness, the vice-president, Allyn Trask greeted the faculty and members of the Echo Club who were the special guests of the afternoon.

Leonard Duratti was the announcer for the occasion, those taking part in the program were, Russell Weinhold, Meryle Shaw, Virginia Donovan, Carolyn Walker, Dorothy Edmands, Karl Beal, Jr., William French, Betty Neif, Clarence Mitchell, Annette Meigs, Richard Mulally, and the Freshman chorus composed of the following girls: Olive Judge, Alice Cadoret, Elsa Ljunggren, Eleanor Taylor, Ruth Call, Marilyn Peabody, Edith Boissoneault, and Cecile Cheney.

First prize went to Meryle Shaw; second to Betty Neif; and third to Virginia Donovan. Honorable mention to the Freshman chorus, Annette Meigs, and to a special request number by Meryle Shaw and Russell Weinhold.

The judges for the affair were the Director, Mr. Stearns and Miss McJunkin.

PUBLIC SPEAKING ELIMINATION CONTEST

For the past few weeks a group of boys have been spending many hours in the assembly hall practicing for the annual public speaking contest. The day of days for them came on March 1 at morning assembly when they gave their essays before the student body and members of the faculty and judges who were instructors Wood, Hardy and Metcalf.

Those on the program were Richard Paulson, David Irons, Donald B. Herron, Newton Henriksen and Charles A. Mahoney.

The winners were first place to Charles A. Mahoney, his subject was "Specialization vs. Diversification"; second place went to David W. Irons, with "A Challenge to the Milk Industry" as his subject. Newton A. Henriksen was chosen as alternate with the subject "The Joys of Farming."

Sometime the second week of March they will go to Bristol County Aggie and compete with students from there and Norfolk. The finals will take place March 18 at Hopkinton at the state meetings of the F. F. A.

VISIT TO STORAGE CELLAR

The storage house for vegetables and fruit was the first place the Juniors visited on their trips around the school grounds.

Mr. Carlton Stearns described three types of storage. First, he told how to keep things by using a barrel and filling it with the vegetables or fruit, then completely covering it with sand.

Another was to dig a hole in the ground from five to six feet deep and to bury the vegetables.

The third was storage in cellars which should be kept well ventilated.

Mr. Stearns took our class into the third type of storage. On the walls as we entered, we saw racks where squash and onions were kept. This room was steam heated and had ventilators on each side of the room. The temperature is kept between 45 and 50 degrees F. The squash is stacked one and one half times high. This provides for plenty of circulation.

Then we went down into the cellar where are stored potatoes, cabbages, beets, carrots and celery. There are racks here, where they place celery and cover it with sand which is moistened at least twice while in storage. The sand over the celery bleaches it and keeps it crisp as well as keeping out the chlorophyll, which makes the celery green.

We saw large burlap bags filled with potatoes and piled one on top of another one shelf a little distance from the floor. If the potatoes were placed directly on the floor there would be danger of their freezing.

The floor is of cement and if it is wet and it freezes it will freeze the potatoes. The carrots were put into bushel boxes covered with burlap bags.

This kind of storage cellar must be cool and moist. The requirements of storage are temperature, humidity and ventilation.

Other trips the Juniors will take include the poultry department and apple cellar later in the year.

M. B.

POULTRY FILM AND POULTRY CONGRESS

One morning last month the students of the Agricultural department of the school had the rare privilege of seeing a famous poultry film. This film was made over a period of two years, showing the actual development and laying of an egg by a hen.

It is considered such a valuable film that it is to be shown at the World's Poultry Congress which is to be held in Cleveland, Ohio, July 28 to August 7, 1939.

According to Prof. Gay T. Klein of the State College, Massachusetts Poultry men are already making their plans for the exhibits that will

TO MARKET! TO MARKET!

Not always has it been so easy for the housewife to select her purchases from her preferred market as it is today. At the height of the Roman Empire there were seasonal fairs and markets but with the decline of the Empire these markets were replaced by the previous forms of trade, barter and peddling.

During the Middle Ages, however, there came into being, once more, markets, "places where buyers and sellers were in free intercourse with one another". With the growth of towns markets became more numerous. Local merchants were allowed free buying and selling, but a toll was exacted from outsiders. Later a tax was required from all. Such merchants had to do their business in duly authorized markets. Frequently a local lord gave such authority and collected the tax. Inducements of low toll or safe-conduct were offered in order to take trade from the region of some rival feudal lord.

Markets may have been held weekly or seasonally, according to the goods offered for sale, the seasonal affairs lasting for several weeks. At such markets foreign merchants often brought goods from other countries and competition with local merchants arose but was soon restricted by local authorities. On specific days there was the sale of one type of goods—jewelry for two days, cloth for the following four days, furs and hides perhaps on succeeding days. There was no single system of weights or measures and there were no banks; money changers served in the latter capacity.

With all the complexity of our modern economic system we should appreciate being able to purchase where, and what and when we please!

Verna L. Clarke,
Division Head, Academic Dept.

be at this world's congress from this state. This is the first time that the United States has played hosts to this congress and it is through the research work and pioneering done in Massachusetts that poultry breeding has progressed to the extent that it has in the world.

Ninety-eight nations and the forty-eight states have been invited to send exhibits and official delegates. There will be meetings of national, state, regional, breeder, trade, and other associations will be held during the congress. Already more than twenty acres of floor space under one roof has been planned for the use of exhibits, meetings, demonstrations, contest and other activities.

The sole function of the queen bee is to lay eggs, which she does at the rate of 1500 to 1600 a day in many cases.

THE ART OF LAUNDRY WORK

Did you ever see a happy person? Not a jolly person, but one saturated with happiness. He must have been working, for idleness drives away happiness. A noted author tells us of a happy child with his head bent over a pile of blocks which he is stacking one on another; of a happy lawyer with his head bent over a littered desk preparing a brief.

I want to tell you of a happy woman whom I saw six years ago, who was standing with head bent ironing a ruffled curtain. Her home told me it was immaculate, in order but for the last curtain, food was cooking and all was to be ready in short time for the coming of the father and children. That mother was an artist at her household tasks, and we all might be, if we would meet them in the same attitude as the sculptor approaches his marble.

When the pile of laundry looks too high let us think of our great-grandmothers in 1838, who dipped water from a well, heated it in iron pots and scrubbed clothes on a hand grooved wooden wash board. We shall then appreciate all that inventors and scientists have done to make laundry work so easy that a twelve year old child can do the family washing.

The two most interesting results of science and invention are the home made fire-proof ironing board covers and the revolving washing machines.

If an ironing board cover is dipped into a solution of seven ounces of borax, three ounces of boric acid powder and two quarts of hot water, wrung and dried, it is claimed to prevent the spread of flames.

By setting a control on the new washer, clothes may be soaked, washed, rinsed and damp dried, without shifting the clothes. All this is a marvel, but do you suppose in 2038 our great-grandchildren will look back to 1938 and give a sympathetic groan at the inconvenience of our conveniences?

H. M. Butman

(Continued from page 1, col. 1)
as well as the dresses and pajamas her High School Specials have done.

Handcraft

The handcraft exhibit will consist of the work done by the Junior girls. They have made "guimp" bracelets, leather packets and jewelry and Christmas cards. In addition to this they have decorated plates and wooden bowls using colored paper.

The exhibit will show examples of all the work including pieces from the new unit in "Amberol" rings and bracelets. It will be displayed in Miss Harris' Art room.

Related Science

A combination of Related Science and nutrition will make up an exhibit showing the foods which are sources of some of the common minerals needed for the body.

H. G. C. and W. T.

INSECTS THREATEN SEVERE DAMAGE TO ESSEX COUNTY BUILDINGS

Insects are seriously injuring wooden structures in Essex County. The most important pest is the Termite. This insect, once established in a favorable location, works like an unsuspected cancer. It's damage is seldom observed when the colony is small and only when it has pyramided its numbers and converted solid wooden structures into flimsy, spongy remains is its presence known. Recognition of its damage comes like a "bombshell"—the tour of exploration and inspection usually revealing an extensiveness of penetration and destruction, seemingly impossible for such a minute pest.

This description of its potential significance is unfortunately realistic to several property owners in Essex County. Thousands of dollars have been expended during the past three years in this county alone in the reconstruction of buildings damaged by termites. Such experience justifies a thoughtful recognition of the problem; however it does not warrant any exaggerated fears that all buildings are going to be seriously injured immediately.

Another insect which is causing considerable damage in Essex County, is the Powder-Post Beetle. The damage done by this pest may be easily distinguished from Termite injury. It works in individual tunnels burrowing through the wood and reducing the fiber to a flour like powder. The emerging beetles leave small round holes in the surface of the wood. Termites, often called White Ants, are social insects and work in closed burrows, the unused ones, usually containing masses of a woody, putty-like paste. Unlike Powder-Post Beetles, Termites never leave a residue of fine sawdust.

Powder-post control centers around the replacement of badly damaged wood and the chemical treatment of slightly infected wood. Termite control should only be attempted after professional advice. The cleaning must be followed by construction so designed as to prevent a further infestation. Property owners, architects and builders should realize the danger of Termite infestation and should know how to prevent such invasions. The additional cost of scientific building construction may prevent the serious consequences of Termite damage.

James F. Gallant

The calcium in spinach is not used by the body so easily as the calcium in milk.

After the greater part of an Edam cheese has been removed, the shell may be stuffed with cooked and seasoned macaroni or rice and baked.

GARDEN NOTES

Growers are sowing seed for 1938 crops in hot beds, small greenhouses, or in small flats behind their stoves in the kitchen. Under adverse conditions, damping off very often occurs and causes heavy damage and in severe cases total loss. Damping off may occur in flats, cold frames, hot beds, or even in the field. For such cases the seed should be treated with chemical powders as outlined in Mass. Extension Leaflet No. 116. For additional protection the soil used in planting the seed should be treated with 1-2 pound of Formaldehyde dust to each bushel of soil used, or 1 3-4 ounces per square foot dispersed to a depth of 3 to 4 inches. This powder should be mixed thoroughly with the soil, sow seed, firm and water well. As a safe precaution, any seed like lettuce and cabbage that germinates fairly quickly should not be sown for at least 24 hours after soil treatment. For transplanting do not use Formaldehyde dust in hot beds.

"In treating the seed, use one rounded teaspoonful of red copper oxide or zinc oxide for each pound of small seed such as spinach, carrots, lettuce, etc., one ounce to 15 pounds of large seed such as, squash, peas, and beans; eight ounces to 10 pounds of medium size seeds, such as, beets and tomatoes."

In growing good plants three factors are essential for success: temperature, ventilation and watering. Each factor is important and if one is off balance the growth of the seedlings is vitally affected. An ideal soil for growing seedlings should be light and have a fair amount of organic matter to make good plant growth. Whenever moisture collects on the underside of the sash, it is generally a sign that the temperature is too high. Another sign that the temperature may be too high would be a spindly growth of plant. More ventilation and less watering will aid to keep plant growth down. Over watering and cloudy, cold weather will cause damping off with young seedlings. Good plants can not be grown in the kitchen window because there is not enough light, too warm or too cool a temperature, and poor ventilation.

Carleton M. Stearns

ENGAGEMENT

The engagement of Eleanor Smith class of 1932, daughter of Mr. and Mrs. Russell C. Smith of Topsfield was recently announced to Donald F. Jacquith of Wenham. A June wedding is being planned by the young couple.

MARRIED

On Saturday evening March 12 Sydney Porter of the class of 1934 and Miss Merle H. Gray of Beverly were united in marriage. They will reside at 19 Swan street, Beverly.

STYLES FOR SPRING

Glorious Spring is at hand! Yes glorious spring is almost upon us. In some parts of the county lovely crocuses are now pushing their heads up through Mother Earth. On the silk counters of the department stores, we find silks in all the lovely pastel shades.

This year we are to think about a suit, a bolero; a very feminine dress and jacket or a coat suit.

If you can't have everything try a suit. They are always serviceable and so stylish, and especially with a silk or linen blouse in one of the popular pastel shades.

Suits this year are just a little different from other years, they are tailored more gracefully if that is possible, larger lapels, smoothly fitted through the waistline, with just one closing. It may be two linked buttons or just one.

Skirts straight as a line and almost as slender, usually a center plait for ease in walking and are still getting shorter.

There is a softness in the new tweed coats that we haven't seen before and made in jacket length to be worn with a simply made dress are very chic.

Color is another point to be considered navy, black and brown are always in good taste, but there are also the lovely pastel colors now being worn in the south and most assuredly coming north for the summer.

Necklines are simple, sometimes collarless and cut close to the throat, shoulders square but not accentuated. Short sleeves are something new in coats and don't forget our lovely prints combining all the colors imaginable.

Mary M. McIntire,
Home Demonstration Agent

NOTES TO BEEKEEPERS

Queenless package Bees are now arriving from the South to strengthen hives that will be placed in orchards later.

Packaged Bees for orchard placement will arrive by the latter part of April.

Look in on the Bees when the temperature is above sixty degrees to note if they have sufficient storage to last them through another six weeks. If not start feeding them on warm days.

The Beekeepers of the County are again co-operating with the fruit and vegetable growers through the County Agent. If you are in need of bees, notify the County Agent. If you have bees to sell or to rent, notify the County Agent.

Instructor George A. Meigs, who is also the President of the Massachusetts Federation of Beekeepers Associations, reports that at the mid-winter meeting held in Worcester, February 22 plans were made for the continued co-operation with the fruit and vegetable men.

4-H CLUB EXHIBITS

The exhibitions of the 4-H Club work will start this year on May 1st. Parents and friends of club members are asked to support the clubs by attending the local exhibits. Many club members have often been encouraged to carry on when they know their parents and friends are interested in what they are doing.

At these local exhibits club members are required to exhibit the work they have accomplished during the year. The work will be judged and prizes awarded.

If they have fulfilled the requirements of the project taken they receive a 4-H pin. The first year pin is bronze, the second silver, the third gold. Certificates are then given until they reach their sixth year in club work. At this time a National Club pin is awarded and this is always a cherished award to club members.

At these exhibits club members plan some form of entertainment which may be in the form of a play, a demonstration or a talk.

Plan to visit the local 4-H club exhibit in your town. To date the following towns have scheduled exhibits: May 12 in Beverly; May 13, Swampscott; 14 in Newbury; 16, Gloucester and the 17th an exhibit in Andover.

NOTES FROM THE COUNTY AGENT

The Extension Service recently secured Prof. W. C. Harrington, specialist in Agricultural Engineering at the Massachusetts State College to help in planning for two irrigation jobs, one in Boxford and one in Andover.

The size and type of pump, length and size of pipe, etc., were figured by him for the vegetable growers. In addition a dairyman was having trouble with dampness in his cow stable.

If you have similar problems contact your County Agent, Francis C. Smith.

EMERGENCY CROP LOANS

Congress has again made available funds to farmers who can not secure credit elsewhere. A farmer may borrow up to \$400 at 4% interest, with security a mortgage on his crops. Note will be payable on or before October 31, 1938.

The purpose of this loan is solely for the production of crops during the season of 1938. Such funds may not be used to pay old debts, but it can be used to buy fertilizer, seeds, spray materials. For further information, get in touch with County Agent Francis C. Smith.

4-H GET-TOGETHER

State Club Leader George L. Farley is to address leaders at a 4-H get-together that will be held at the Essex Agricultural School, March 23 at 7.30, following the Farmers' Day program.

A program of Recreation Education and inspiration has been planned for both old and new leaders.

Mr. Lawrence V. Loy, recreation specialist and Mr. Lyle Ring, music director insure a real lively time with plenty of fun. Mr. Loy has inaugurated many community recreational programs in this state with great success.

This will be Mr. Loy's first appearance in this county and we hope that everyone interested in recreation will take advantage of this meeting.

Mr. Earl Nodine, State Garden leader will outline the 4-H garden project for this year and give interesting comments on both vegetable and flower garden arrangements.

Mr. Robert Trask, manager of the Essex County Fair will speak on the value of exhibiting at fairs and the cooperation of agricultural fairs and the 4-H clubs.

A complete local exhibit has been arranged with articles made by members in various years of club work. This exhibit will illustrate ways to set up a local club exhibit for best results.

Mrs. Leon Jordan, president of the Local Leaders Association, will discuss the exhibit and also demonstrate with her club members improved methods for exhibition programs.

The grand finale will be Mr. George L. Farley, State 4-H Club leader of Massachusetts. Those who know Mr. Farley realize his outstanding achievement of the greatest leader of boys and girls in the country. His inspiration to both young and old has stirred many to obtain higher goals and his influence has made club work an outstanding organization of young people.

We extend an invitation to all people interested in 4-H Club work, civic organizations, and parents to attend this meeting, in the hope that we may help to improve your community.

TENT CATERPILLAR CAMPAIGN

The big drive is on. Every 4-H Club member in Essex County should be working his hardest right now to win the big prize in this state wide Tent caterpillar campaign.

March 15 to April 15 is the time for the big drive on the egg clusters of the tent caterpillar. Many clubs have already reported large numbers of egg clusters collected, but the job isn't over and the contest isn't over until April 15, when we will stage the grand finale of counting and burning all the eggs gathered.

So 4-H club members get busy and win one of these prizes. Don't forget the pictures for the club prize.

Silver Anniversary Year

ESSEX FARMER AND HOME MAKER

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NO. 4

Charles Mahoney State Winner In Public Speaking

Once again the honor of being the State winner in public speaking comes to a student of Essex Aggie.

Charles H. Mahoney of Lawrence, a senior at the school has had an interesting record in public speaking. He entered the school in 1935 and in 1936 started on his career in public speaking. In 1936 he was second in the County and third in the State contest.

In 1937 he was second in the school contest and fourth in the State, which made him second alternate in the finals.

This year he has been first through all the contests and a few weeks ago at Hadley was awarded first place in the State.

In September Mahoney will compete at Eastern States Fair, at this time he will have pitted against him the winners from each of the thirteen Atlantic seaboard states.

We will all be cheering for Mahoney to win this final honor not only for himself but for Essex Aggie.

Farmers, Homemakers' Day In Retrospect

Warm breezes and sunny skies were provided by Mother Nature for the 24th annual Farmers' and Homemakers' Day, March 23 at Essex Aggie.

Some 1500 people took advantage of the glorious weather to attend. In the morning Rev. John Nicol Mark of Arlington, was the guest speaker. He took for his subject "Scotch Wit and New England Philosophy". He kept his audience amused for sometime with his stories exemplifying the wit of the Scotch. He then went into the more serious part of lecture, reminding his audience that some years ago there was a movement to boost New England products, to have a New England Week and a New England Sunday. He urged the continuance of the latter. He also urged that the leaders have good morals, saying that if there should be another war it would be because of lack of morals among the leaders. We should not say "Peace on earth goodwill to men" but "Peace on earth to men of good will. The fundamental purpose in the homes should be men and women of good will".

Afternoon Meetings

Over 250 women sat for two hours and listened to the afternoon speakers. Miss Marjorie Black of the National Canners' Association held the attention of the ladies. A resume of her talk will be found in the Supplement as she spoke to the girls the next day.

Miss Mary Ward, District Commissioner of Naturalization and Immigration for New England answered the subject "Who says that Immigration is not interesting?" She said that before she went into this type of work she thought an alien was a man with a pack upon his back or a woman with a shawl over her shoulders.

Today she knows that the suave young man mingling among the most cultured people on the ocean liner may be that international crook that several countries are trying to find. She stressed the un-Americanism of many border families for a few paltry dollars will aid aliens over the Mexican and Canadian borders. Many times these very aliens are the ones that go into fields and lumber camps and take away the work these border

Timeliness, Proper Handling Essential In Setting Plants

In setting out trees, shrubs and perennial plants this spring, those concerned have but one object in mind—Success.

This will be indicated by the plants which live and their speed in becoming established in the new environment. When moved, plants are severely upset and the way in which they are handled will either increase or lessen this shock.

Experience teaches us that these plants will get off to a much better start when set out before May 1. Their roots become established before the tops start to grow and to make demands for large amounts of water.

If the plants are to be purchased, buy from a nearby nursery so that they will not suffer from long shipments. When the plants arrive open the package immediately in a cool sheltered place. Make sure the roots have plenty of moisture and then set out immediately. If this isn't practical, heel them in, covering well and thoroughly with moist soil. Prune the branches when setting out so as to balance the loss of roots. Make sure that the soil conditions will be favorable for growth. Dig the holes large enough so that the roots will not be cramped. Pack the soil thoroughly around the roots. Water after planting and frequently enough to keep the soil moist. Having done all this then watch them grow successfully.

James F. Gallant

GOAT BREEDERS MET

On Tuesday evening April 5, seventy-five Goat Breeders met at the Homemaking building where they enjoyed a turkey dinner. Following dinner Prof. John C. Archibald of the Massachusetts State College gave an interesting talk on Animal Nutrition as it applied to goats, especially to kids.

The County association was host to breeders from all New England, with several driving over one hundred miles to attend. It is interesting to note that there is much interest in raising goats as a hobby and a number of women are taking up this hobby.

WINNERS OF THE BABY CHICK SHOW

The Essex County Poultry Association, Mass. Dept. of Agriculture and the Essex County Agricultural School co-operating held their annual Baby Chick Show and Auction on Farmers' Day. The results of the show follow, Prof. Gay T. Klein of the State College was the judge at the show.

Winners in R. I. Reds: won by J. Albert Taylor, Haverhill; second, Weber Duck Farm; third, C. Nelson Hardy; fourth, J. Albert Taylor and fifth, C. Nelson Hardy.

Barred Plymouth Rocks, winner was Weber Duck farm; second Warren Heath; third and fifth, Dwight William, and fourth Prentiss Childs.

Cross breeds: won by Warren Heath, first and second; J. Albert Taylor, third and Byam Gee, fourth.

White Plymouth Rocks: Merideth farm first, with Featherland farm second and third, and also won first for white leghorns.

In the miscellaneous class Merideth Farm first with Warren Heath second and third.

(Continued on page 3, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

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CALENDAR

April 29 to May 9—Vacation Home-making School.
April 29—Closing of Agricultural School.
May 22—Service Club Pilgrimage to Moose Hill Bird Sanctuary in Sharon, Mass.
June 15—Better Homes Day at Essex Aggie.
June 22—Parents' Day at Homemaking School. June Garden Show at Essex Aggie.
October 1—Twenty-fifth anniversary opening of school.

NEW ATHLETIC FIELD

The season is now advanced far enough to make estimates of the condition of the new field. Contrary to anticipation, there has been very little washing and no material settling. This is remarkable when it is remembered that the field was built over a rough stone fill of approximately 16,000 yards.

The grass appears to have wintered well and the track is in fair condition. Already work has begun in rolling, firming, fertilizing, and additional seeding. Planting beyond the point reached last year will be resumed at once. This will tend to make this new field one of the beautiful spots, as well as one of the most useful fields of its kind, in this region.

MRS. RALPH S. BAUER

The School is saddened to note the death of Mrs. Ralph S. Bauer, which occurred on Wednesday, April 6. Mrs. Bauer was a most enthusiastic friend of the School, and her help for its success was second only to that of Mr. Bauer. The many, many kind deeds which Mrs. Bauer has done for the School have endeared her to past and present graduates and all sympathize with the family in its great loss.

MOLASSES SILAGE IS A GOOD FEED

Last summer the first cutting of alfalfa was put through an ensilage cutter and combined with molasses at the rate of about 75 pounds of molasses to each ton of the green alfalfa and stored in the silo. A few tons of grass hay were chopped and mixed with molasses and stored in a similar way.

In a conversation with Mr. Fleming, who has had charge of the feeding of this silage to the school herd, several advantages of this feed were mentioned.

Alfalfa molasses silage is economical. The losses due to curing, such as, bleaching from the sun and rain, and leaf shattering are eliminated. In feeding this silage, the cows clean up every bit, while with the first cutting alfalfa hay the coarse stems are refused to some extent. Using cost figures for corn silage and for alfalfa molasses silage and grass molasses silage and comparing them shows alfalfa molasses silage the cheapest with the other two about equal. A hay loader was not used for the alfalfa or the grass.

Alfalfa molasses silage is a good feed. In feeding the school herd during the month of August and part of September on alfalfa molasses silage this feed was equal to the best pasture. This feed is very palatable, some of the larger cows eating 90 pounds per day. We think that this feed is good enough to replace all of the corn silage and part of the hay. Grass silage is the equal or corn silage in food value.

Less storage space is needed for this feed. A ton of molasses silage occupies about 50 cubic feet while one ton of loose hay occupies about 450 to 500 cubic feet. Assuming that hay loses two thirds of its weight in curing from the freshly cut material to hay fit to store in the barn, the silage still uses less space.

Another advantage for molasses silage is found in the fact that the crop can be harvested regardless of the kind of weather. We plan to use more of it.

Geo. A. Cooley

HIGH HONORS

TO ESTHER USHER

Esther Usher of Danvers has been chosen as the Essex County 4-H Club delegate the National 4-H Club Camp at Washington, D. C., June 16 to 23.

The contest was very close with Doris Albrecht of North Andover only two points behind Esther at the finish.

Following are the records as written by the two girls. Esther wrote: I was canning club—member from 1928 to 1935. I was secretary-treasurer the first year and assistant leader the second. My canning jumped from 50 jars in 1928 to 1525 in 1932, besides helping my mother with hers which averaged between 8,000 and 10,000 a year. In all I have canned by myself 7469 jars worth \$2776.00. I exhibited each year at Topsfield Fair, the New England Fair at Worcester in 1931, Brockton Fair in 1932, and the Amesbury and Salisbury Fair in 1934. I received \$131.00 in cash and 152 ribbon prizes.

I placed first in the County Ball Jar contest in 1931, '32 and '33 and third in the State in 1931 and '32. I placed first in the County Kerr Glass Co. contest in 1932, '33 and '34. In 1934 I sent a jar of watermelon pickle to the Hazel Atlas Glass Co., National Canning contest in Chicago and received a fourth prize of \$4.00. In 1934 I received a first prize medal at the Amesbury and Salisbury Fair for the best exhibit of canned goods by a boy or girl under 18 years of age. In 1931 and '33 I was sent to Camp Gilbert as County canning delegate and in 1934 was the State canning delegate and was chosen to represent the Hand H.

In 1930 and '31 I was a food club member. We also carried out the health program. The first year I was secretary-treasurer and the next assistant club leader. In 1931 I entered the county health contest and was judged second. I entered the State health contest at Worcester and was chosen as having made the most improvement in the State in two years, for which I was given a trip to Camp Gilbert.

In 1931 I was a clothing club member and at our club exhibit received first prize in the school dress contest.

I was a garden club member in 1932-35. My father grew from 1100 sq. feet in 1932 to 112,000 square feet in 1935. Besides this I have helped my father take care of his market garden. I was secretary-treasurer and assistant leader in this club. My sales profit from my vegetables was \$200.00 I exhibited each year at Topsfield Fair and received \$17.00 in cash and 29 ribbons. In 1934 I received a bronze medal for meritorious garden work from the Massachusetts Horticultural Society and honorable mention from the Hillcrest Gardens of Marlboro for the best garden work in the county.

(Continued on page 3, col. 1)

To drive a nail into plaster without cracking the plaster, heat the nail. Paint the bottom cellar step white. It makes going down the stairs much safer.

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

APRIL, 1938

ASSEMBLY ON CANNED FOODS

Miss Marjorie Black from the National Canners' Association of Washington, D. C. spoke to the women on farmers' and homemakers' Day, and was kind enough to repeat her talk in the Homemaking Assembly the next day for the benefit of the girls who were unable to hear her first talk.

Slides were shown of vegetables and fruits before they were picked and were followed by those showing different steps they went through before they became what we buy in the stores.

After the slides were shown Miss Black told of the research laboratories which are run to try to improve the raw products; to minimize the time that elapses between the picking of food and finished product, and you may be surprised to learn that three hours is considered a maximum time in canning peas; to determine the best kind of can and processing for each kind of food; and to show the nutrition and raw food. It has been proved that commercially canned foods are superior to those cooked at home or raw ones, and that animals fed wholly on the former are the healthier in the long run.

Many people believe that food becomes contaminated and even poisonous if left in the open can. As soon as they open the can they hasten to empty the contents into a bowl or "clean" container. If they knew the truth they would know that the can the food comes in is far cleaner than ordinary dishwashing, can get our dishes. After the food has been put into the can it is heated and this not only cooks the food but sterilizes the can as well. It is then made air tight; so is there any reason why cans should be thought harmful?

Of course, the canned food must be cared for as any food is. It must be covered and put in the refrigerator; not left in a warm place. It is true some people have been poisoned by canned food but research has proven that most cases may be blamed on to home canned food and is due to under-processing.

It is the aim of the canner to make housekeeping easier, but as they have to take the tastes of all into consideration, most of the food that is canned has very mild seasonings. This being the case, canned foods should be seasoned before serving. If the food is to be heated it is better to put it in another container, the liquid should be boiled down and the food added to this because much food value is lost if the liquid is thrown a-

NEW BOOKS IN THE AGRICULTURAL DEPARTMENT

Last month we listed the new books added to the Homemaking school library, which were the gift of the class of 1937. Since then the books that the class gave to the Agricultural school library have arrived and are being enjoyed by the users of the library.

The following are the books: "Familiar Quotations" by Bartlett; "Animals of America," H. E. Anthony, editor; "Birds of America" T. Gilbert Pearson, editor; "Mr. Midshipman Easy" by Capt. Marryat; "Steele of the Royal Mounted" by James O. Curwood; "Cappy Ricks" by Peter Kyne; "Riders of the Purple Sage", by Zane Grey; and "Massachusetts Beautiful" by Wallace Nutting.

Rea Gosselin

F. F. A. REPRESENTATIVES AT NORFOLK

On March 30, Jacob Ranta of Rockport and John Kukene of Amesbury, attended the State F. F. A. Executive committee meeting held at Norfolk Agricultural School. Several important matters were discussed and recommended:

1. That each chapter place and display their charter.

2. That the date of the annual meeting be changed from the spring to the fall, when the fall elimination contests in judging are held. Applications for Bay State Farmer Degree would be considered at this time.

3. That the Constitution and By-Laws be revised, adding the new amendments.

4. That Massachusetts present a candidate for the American Farmer Degree.

5. That the F. F. A. give more publicity to their activities, That chapters exchange news notes and school publications.

6. Other points discussed were: Possibilities of having each member plant a shade tree during his stay at the school. Having judging contests only for F. F. A. members, but after hearing Mr. Heald's side of the story this was opposed so that all schools could enter. Manner in which meetings should be conducted. Several advisors stated that they received quicker response by using the ritual and implements such as the owl, flag, plow, etc.

The meeting adjourned at 2.45 p. m. with the understanding that we should be ready to attend the next meeting when called by the president.

John Kukene

ATHLETIC BANQUET

It might be of interest to some of our readers to note that the Athletic Banquet which was served in the Homemaking building on March 31 was prepared and served by the girls of the school under the direction of Miss Emerson, Miss McJunkin, Miss Bates and Miss Kolodziej. The food was prepared in class by several different groups. About 150 people sat down to a delicious turkey dinner as it was necessary to make use of both the faculty dining room and the students' dining room. The following girls were waitresses and serving girls in the kitchen.

Eleanor Hoelzel, Marguerite Coleman, Alice Homans, Marguerite Reid, Esther McKenzie, Rita Ouellette, Kathleen Hanson, Geraldine Gates, Ellen McDonnell, Mary Anderson, Mildred Burke, Grace Raimey, Cecile Cheney, Edith Boissonneault, Kay McLaughlin, Edith Moody, Wyntha Tompkins, Grace Taylor, Winifred McKay, Priscilla Hopkins, Ruth Nygren and Patricia Sheehy.

Following dinner there were remarks by Director Smith, Melville G. Grey of the Trustees, Miss Moore, Mr. Mostrom, the coaches Miss McManara and Mr. Couhig. The guest speaker was Glenn O'Brien, Betty Nief, Virginia Donovan and Meryle Shaw entertained and dancing was enjoyed.

Those receiving letters in basketball were Capt. Pauline Graichen, Hazel Mason, Esther Whitaker, Rachel Kruschwitz, Frances Woodhouse, Eleanor Flaherty, Dorothy Doerr, Vivian Timm, Mary Maklae, Madelyn Cady, Eleanor Yerbury and Ada (Betty) Nief.

Those on the boy's basketball team receiving letters were Percy Curtis (S), Jacob Ranta, John Munroe, George Georgantis (S), Henry Cecelski, Howard Wilson, Jr. (S), Gary Sano, John Fay, Horace Dalrymple, Walter Tataronis (S); Andrew Kelley (S); Ronald Skea, John Lynch, Phillip Pingree, Joseph Arnold (S).

Second team: Robert Flint, Joseph Scouler, Robert Sprague, Howard Gott, John Draper, and William Lane.

Football numerals went to: Thomas Dederian, Joseph Ryan, Robert Craven, John Lynch, and Phillip Coles.

Football letters were awarded to Albert Batchelder (S); John Balzani (S), Roger Coleman (S), George Georgantis, Leroy MacAloney, Earl Nicholson, Jacob Ranta, Algerd Ramaika, Gary Sano, Allyn Trask, Russell Burton (S), Myron Eastwood, Andrew Kelley, Meryle Shaw.

(S) awarded sweater.

(Continued on next page, col. 2)

DORIS ALBRECHT'S RECORD

Doris Albrecht who came in second with 54 points has written the following about her work while a 4-H Club Girl.

I am now in my tenth year of 4-H club work, having completed nine years of clothing, four years of food, seven years of canning, and one year of homecraft work. I also completed three years of assistant leadership and two years of leadership. I am now working on my tenth year of clothing, and fifth year of food. I am leading a club of my own for my third year and assisting with another club, making it my fourth year as an assistant leader. I have recently organized a Boys' Garden Club of nine members.

During my 4-H work, I have won 78 ribbons \$45.75 by exhibiting at our exhibitions; county dress, food, and news reporters contests; Topsfield Fair, receiving the Sweepstakes prize for the Girls' Department 1936; Brockton Fair; New England Fair; National Canning Contest, Chicago; and the State Music Memory Contest. I have also won third and fourth prizes in 1933 at Eastern States Exposition, (received no ribbons), and second and third prizes in 1934 in the National Canning Contests (no ribbons).

I have received a certificate from the 1933 International Canning Contest World's Fair, Chicago. I have received a medal as a county winner in the National 4-H Canning Achievement Contest, 1936; and another as a county winner in the National 4-H General Home Economics Achievement Contest, 1937.

In 1933, I did canning for neighbors and earned \$17.25. I also did all of the family canning and all of a neighbor's canning.

I was a member of the canning judging team at Topsfield Fair 1933, which won first prize.

I joined the Essex County 4-H Service Club in 1934 and have been a member since then. At present I am serving my second year as secretary of this organization. In the Secretary of the Service Clubs contest throughout the state, I came in second place and had the honor to attend the First State 4-H Ski School at Massachusetts State College, 1938.

In 1932, I attended the Essex County 4-H Camp, winning this trip as the first prize in the county News Reporters' Contest. In 1936, I attended State Camp as a county canning delegate.

The offices that I have held since I have been a 4-H member are President of a clothing club for two years; Vice-President of a clothing club and a food club; Secretary of clothing; food, and canning clubs; and News Reporter.

I have had many pleasant trips and enjoyed my 4-H work very much. During the season of 1938-39, I plan to be an eleventh year member of a

STUDENTS PRESENT PROGRAM AT POMONA GRANGE

A style show was held at the Pomona Grange hall at Salisbury, Mass., on Thursday, April 7, the following girls took part: Ruth Kenaley, Rachel Kruschwitz, Eleanor Yerbury, Betty Neif, Helen Ouellette, Natalie Sheldon, Frances Woodhouse, Gertrude Hennessey, Grace Raimsey, Eleanor Flaherty, Marjorie Loveys, Wyntha Tompkins, Patricia Taunton, Lilyan Dion, Ellen Wills, Edith Moody, Mildred Burke, Dorothy Goodwin, Caroline Walker, Winifred Kennedy, Ruth Poland, Virginia Donovan.

These girls wore wool dresses, house coats, spring coats and pajamas. Two beautiful evening gowns were modeled.

Besides the style show there was an entertainment given by some of the other students. Betty Nief and Virginia Donovan gave impersonations, Caroline Walker sang a solo, Charles Mahoney gave his prize essay on Farming, William French gave a banjo solo, Russell Weinhold played a guitar solo and Norman Everett played a piano solo and also played for the style show.

M. S. and H. C.

ASSEMBLY ON CANNED FOODS

(Continued from insert page 1)
way and fresh water added. On a camping trip we all know how much easier it is to heat foods in the can rather than bother washing a lot of pot and pans. If you should want to heat the food without removing it from the can then be sure that a hole is punched in the can top to allow expanding air and steam without danger of explosion.

It seems that just about everything may be bought in cans today; even Irish potatoes. Did you know this? It was news to a lot of us. Canned goods are not only convenient, but are cheaper because canned fruits and vegetables may be bought out of season at more reasonable prices than the fresh fruits and vegetables. This helps to add variety to meals.

If you are of a creative nature canned foods offer you a grand chance to experiment. For instance, try combining a can of pears, a can of apricots and a can of Californian cherries. Drain off the juice and when it has been brought to a boil add the sliced rind of one lemon and a little chopped ginger. Add the juice to the fruit, let stand over night and serve.

G. M.

The human heart, weighing 8 to 12 ounces, makes approximately 100,000 beats a day. Through it each minute passes blood equal to the whole amount in the body.

clothing club and lead a clothing club, also a Homecraft club.

After my twenty-first birthday, I am planning to continue with 4-H club work in my community as a local leader.

JUDGING RESULTS

During March several teams from the school participated in judging at Amherst and at the Massachusetts Spring Flower Show in Boston.

Those who went to Amherst on the Poultry judging team were Paul Day, Alger Rameika and Chester Silva. Day placed second and Rameika fifth. They will try for the state team at the third elimination contest which will be held at Topsfield Fair in September.

These elimination contests started last fall at Amherst where the first twenty were chosen for the March contest. The first six were taken from the March contest to judge in the third and final contest at Topsfield. The first two winning at Topsfield will represent Massachusetts at the Eastern States Contest at Springfield in the fall.

In the Milk judging contest Percy Curtis was second and John Zielski was third. In the combination scores Zielski was second and Curtis fourth.

Jacob Ranta and William Corning were recently elected as members of the executive committee of the state F. F. A.

LIVESTOCK LOSS PREVENTION

Miss Marjorie Wyman secretary of the Eastern States Livestock Loss Prevention Association gave an informative talk before the Animal Husbandry club of the school on Wednesday, March 30. Moving pictures illustrating methods used by cattle handlers in preparing animals for shipment to slaughter houses were shown.

Miss Wyman explained in detail the essay contest, sponsored by the Eastern States Livestock Loss Prevention Association on the "Prevention of Livestock Losses". This contest carries cash prizes and is open to all students of vocational and agricultural schools and 4-H club members. Manuscripts are to be forwarded to Miss Marjorie L. Wyman, 51 Carver street, Boston on or before April 30, 1938.

JUNIOR DANCE

The Juniors held their first dance last month, with Dick Putnam and his orchestra furnishing the music. The committees all worked hard to make the affair a success.

Those from the Homemaking school who were on the committees were Grace Raimsey, Lucy Grover, Williamena Smolak, Mary Anderson, Edith Skidmore, Frances Gangi, Olive St. Pierre, Helen Lambert, Ada Marsland, Wyota Purington, Mildred Burke, and Marie Jacques.

The committee members from the Agricultural school were Richard Paulson, Robert Spencer, Milton Edmunds, Ernest Campbell, Roger Coleman and Russell Kenney.

Miss McJunkin, Miss Bates, Mr. Metcalf and Mr. Cartwright are the faculty advisors of the class.

M. A. and A. S. G.

SPRING FLOWER SHOW

The second annual spring flower show was held in conjunction with the Farmers' Day and sponsored by the Floriculture Club.

Norman Peatman was the winner of the most out-standing exhibit of the show having a very fine collection of succulents.

Walter Winn and Sidney Johnston were given special awards for their exhibits while Helen Ouellette won her award for her arrangements of flowers.

Those winning first prizes were: Leroy MacAloney, Dana Killam, Eugene Cahill, William Senior, Thomas Fullerton, Thomas Tinsley, who received two first prizes, as well as Russell Weinhold.

Other first prizes went to John Wadsworth, Myron Williams, Barbara Metzger, Marilyn Peabody, Robert Spencer, Fletcher Wonson won two first prizes while Frank O'Connor won a first prize and honorable mention.

Other prize winners were: Ronald Skea, Leonard Duratti, Hope Crombie and Robert MacAfee.

The Floriculture Club are planning a June Garden show to be held June 22, details will be given in the next issue of the Farmer.

ESTHER USHER

In 1935 I led a homecraft club with the entire club completing their requirements and joining with the other clubs in the town for a local exhibit.

I participated in canning, food and vegetable judging contests, winning four first and one second. I have helped at our 4-H Field Day at Hathorne and the 4-H Club Lunch counter at Topfield Fair for four years.

I attended our County Camp every year they held it. I was an assistant handicraft counsellor one year and the next had complete charge of the gimp leather work and helped on the water-front.

In 1931 I was chosen to represent the Health H and in 1934 was chosen Camp Spirit.

I joined the Service Club in 1932. I have been treasurer and program chairman and assisted on other committees. In 1935 I was sent to the State Camp as their delegate. I still hold active membership and attend every opportunity I have. This year I was chairman of a committee to draw up a constitution.

In 1933 I took over my mother's canning business for the season after she was injured in an automobile accident. Most of my tuition and expenses at Simmons College from which I am graduating this June have been paid for by my 4-H Club work. I received the American Red Cross Junior and Senior Life Saver at the County Camp last and year passed their examiner's badge which gave me a job as waterfront counsellor at a camp.

I am also a Girl Scout Golden Eaglet.

SOME FOOD FALLACIES

There is an old saying that "A little knowledge is dangerous." This is indeed true in the subject of nutrition. Many are the strange notions held over from days gone by, as well as newer ones of more recent vintage. A few of these false ideas regarding food are the following:

"Fish is a brain food." Fish is rich in phosphorus which is one of the ingredients of brain tissue, but meat, eggs, milk are also rich in phosphorus. Brain tissue requires many other elements besides phosphorus so fish has not special merit lure.

"Meat is strength-giving." Therefore those engaged in hard manual labor should eat largely of meat. Meat is a protein food. Activity requires energy-giving foods. Carbohydrates and fats are the chief energy foods. Protein foods are used principally as builders of new material and are used by the body for energy only when there is a shortage of carbohydrates and fats.

"Feed a cold and starve a fever." In cases of fever, metabolism is speeded up so that food is burned very rapidly. To cover this loss extra food should be supplied to prevent body burning up its own tissue. On the other hand, in the case of a cold a reduction in diet is desirable. The body needs to rid itself of cold germs, so it is well to starve the system long enough to purify it of germs and toxics. A couple of days on a light diet, plus plenty of water and fruit juices is recommended.

"Coffee is less harmful if taken without sugar or cream": It is the caffeine in the coffee which produces the undesirable results and caffeine cannot be altered by sugar or cream.

"Milk is constipating": Milk itself has no constipating effect. It lacks roughage which is needed for stimulating the intestinal tract. Roughage can be added to diet easily in form of fruits, vegetables and whole grain cereals.

"Avoid eating acid fruits and milk in combination, as the acid curdles milk and causes indigestion": As a matter of fact milk is curdled as soon as it reaches the stomach by the gastric acid juice of the stomach. This is the first step in milk digestion so combining acid fruits and milk is only bringing about a normal alteration in milk.

We need to know that the source from which our information comes is reliable and accept too readily all the ideas expressed in regard to foods and what they do in the body.

Bessie H. McJunkin

Iowa honey producers are experimenting with a new red clover from Czechoslovakia which has shallow blossoms perfectly suited to the short-legged honeybee. The bees are able to gather a bigger load of nectar and to pollinate all the blossoms. However, the clover has not yet been tested for hardness to escape winter killing.

GARDEN CHAT FOR APRIL

Do you like to lie on small stones, sticks, etc., or do you prefer a nice soft spot where comfort may be enjoyed? Small seeds and little plants with their small tender rootlets feel the same way toward their surroundings. In preparing your back yard garden one cannot over emphasize the importance of preparing your seed bed. The soil should be well turned over, or in forking the soil, the lumps should be well broken in order to insure the best possible opportunity to aid the growth of these small seedlings.

After small plants have rooted and have started to grow, one should have plenty of plant food present in order to continue their growth. If you plan to use manure, use one cord for a plot 50 ft. by 100 ft. and 200 lbs. of superphosphate, or about 10 cords and a ton of superphosphate per acre basis. When no manure is used, plan to apply 250 lbs. of a good 5-8-7 fertilizer per 5000 sq. ft., or a ton to 2500 lbs per acre.

The proper procedure for preparing your garden would be to plow or fork manure into the soil, apply lime if to be used, and harrow or rake in and finally apply the fertilizer and rake well. The soil is then ready for seed to be sown, or for the transplanting of seedlings.

The month of April and very early May is the best time to start an asparagus or rhubarb bed. Rhubarb roots should be set 28-30 inches apart in the row for the back yard garden. Three or four roots should furnish an ample amount for the family who like rhubarb pies and sauce. Mary or Martha Washington roots are the best varieties of asparagus to plant. These should be set in rows 15-18 inches apart and 3 feet between rows for a home garden and 4 feet for commercial plantings. The roots should be set 8 inches below the surface of the soil and covered with an inch of soil above the crown of the root at time of planting. Fill the trench in as asparagus grows. Twenty-five to fifty roots would provide enough asparagus for the table, according to the likes of the family.

Carlton M. Stearns

FARMERS' AND HOMEMAKERS' DAY IN RETROSPECT

(Continued from page 1)

residents would have but for smuggled workers.

Besides this type let us not forget the Madame Shuman-Heinks who have come to our shores and been assets to our civilization and furthermore let us not forget that not too many years ago we all were foreigners.

There were many sectional meetings which were well attended.

FASHIONS FOR SPRING AND SUMMER OF 1938

The silhouette still remains very slim and straight. Skirts are conservatively short, about fourteen inches from the floor. However remember the length of any garment should always be adapted to the figure wearing it.

Shops are showing the cut away tailored suit for the Easter parade. Many tweeds and as usual, much navy blue is shown. We are not confined to these as we find the off shades are particularly good for the younger set, such as stone blue, turquoise and aqua. Combinations of three tones of one color are very new looking and if worked out in an individual way make a most interesting costume.

Prints and more prints are being shown for dresses to be worn under your new spring coat. Short-sleeved frocks with matching long-sleeved boleros are good for early spring and one would feel well dressed for town wear when it is time to leave off the coat.

We do not advertise patterns but I have found coat patterns McCall No. 9481 and Vogue S 4050 make smart looking refers for the 12 to 20 sizes. Your individual figure determines whether you can wear the refer type of coat or not. The topser is kind to both the matron and miss.

Myrtle R. Dunn

WORLD'S POULTRY CONGRESS

Two Essex County Poultrymen have been appointed on important committees to help plan for the seventh World's Poultry Congress to be held at Cleveland, Ohio July 28 to August 7, 1939. These men are C. Nelson Hardy, Essex member of the Tours committee; and Dimon Lockwood, Boxford, member of the ticket committee.

The Honorary chairman is Governor Charles F. Hurley. The active chairman is Gay T. Klein, Amherst; secretary-treasurer, Howard Whelan, State House, Boston; and other members of the Mass. General committee include: Bernard J. Doherty, secretary of the Mass. Development and Industrial Commission; Julius Kroeck and A. W. Lombard of the State Dept. of Agriculture; E. B. Parmenter, Franklin; Howard Russell of the Farm Bureau; Paul Shores, President of the Mass. Federation of Poultry Associations and George Toomey of Boston.

The duties of these committees will be to make plans for the participation of the Commonwealth in the Poultry Congress which will be the largest poultry meeting in the world. The group will plan the exhibit, arrange transportation of the Massachusetts Poultrymen to Cleveland and return and plan tours for the foreign poultrymen who are visiting us.

Francis C. Smith

SPRING CLASSES ARE BEING ORGANIZED

Home Nursing classes under the direction of Mrs. Mary S. Roundy, R. N. are being held at the Peabody High school Tuesdays and Thursday evenings; at the Hobbs Memorial, Clifton, Monday afternoons; St. Ann's Hall, Castle Hill, Salem, Wednesday evenings.

Food classes under the direction of Mrs. Mildred Snell, Food instructor are being held in the High school, Essex on Monday afternoons, Tuesday evenings at the home of Mrs. J. F. Jordan, Lynn Street, South Peabody and at the Hadley school, Swampscott on Thursday afternoons.

Clothing groups under the direction of Mrs. Mary M. McIntire are meeting at the Community room in the Congregational church, Ipswich, Mondays.

A group of twenty-two women are holding an all day meeting each Thursday in the Community room at Ipswich, in Furniture renovation and upholstering and at the home of Mrs. Elwell in West Newbury on Fridays another group is meeting.

Spring classes are now forming throughout the county in the above projects. Any community interested please get in touch with Mrs. Mary M. McIntire, Home Demonstration Agent at the Essex Agricultural School, Hathorne.

Mrs. Esther Cooley Page clothing specialist at the State College spoke to a group in Ipswich, April 4, on April 20 she will speak to the girls in the Homemaking department.

Mrs. McIntire will speak over WLAW April 26 at 12.30 on "Helpful hints to the Homemakers of the County."

Mary M. McIntire

PRACTICE TEACHER

Miss Beatrice Ammidown of Dedham, a Junior at Framingham State Teachers' College, in the Vocational department, has come to the Homemaking department for eight weeks of practice work.

Miss Ammidown will observe and teach while here. Her teaching will include Clothing, Related Science, Dress Appreciation, and Hosue Care.

M. A.

ENGAGEMENT ANNOUNCED

Of interest to students and faculty alike is the recently announced engagement of Miss Gertrude Fitzgerald and Mr. Fred Chase.

Miss Fitzgerald is the secretary in the extension office while Mr. Chase is Instructor at the Farm Shop.

Y. M. C. A. CONFERENCE

The seventeenth annual older boys' conference of the Essex County, Y. M. C. A. was held on Saturday, April 2 at the Essex Aggie. This was an all day affair with the boys arriving for registration at ten o'clock ending in a banquet and speeches in the evening.

THE 1938 4-H GARDEN SEASON IS UNDER WAY

The 4-H Garden Clubs started a three year program in 1937 and specialized in the study of garden diseases. The 1938 program will be study of "Common Garden Weeds and their Control" and "Vegetable and Flower Varieties."

Many club members kept some very fine scrap books last year and it is hoped that many more will do the same this year. If a boy or girl wishes to keep a complete record book of all his receipts and expenses he should certainly be encouraged to do so and a record book will be supplied him but a simple record of his expenses is all that is required for first year members.

1938 Requirements are:

1. Care for a vegetable garden of at least 500 sq. ft. and a flower garden of 150 sq. ft.
2. Keep a note book on varieties of vegetables and flowers and other things of interest in gardening.
3. Collect, mount and label 10 specimens of garden weeds.
4. Identify at least 15 different varieties of vegetables at some club meeting or a contest at some fair.
5. Keep a record of all expenses for seeds and plants and fill out questionnaire. Send in this record to the county club agent when called for.
6. Exhibit vegetable or flowers at the various fall fairs whenever possible.
7. All club members competing for county, state and national prizes should keep a record of the value of crops grown as well as the expenses.
8. Attend garden club members' meetings whenever these are scheduled.

Note: Club members who have been in the garden club project more than one year are expected to increase their vegetable garden to 500 sq. ft. each year and flower garden 150 sq. ft. each year, providing they have room to do this. After the third year the member should plan to carry out some special work of his own. There are some excellent demonstrations and experiments in gardening that these older club members could carry out.

4-H CLUB EXHIBITS

The following 4-H Clubs have set the date for their local club exhibits during May. Methuen on May 7; North Andover, May 11; Danvers, Mrs. J. Stanley Bennett's group on May 9; and Groveland on May 18. These are besides those listed in the March issue of this magazine.

Recently County Club Agent Horace J. Shute was guest speaker at the Methuen P. T. A. and the Groveland 4-H Club girls presented a style show. These girls are under the leadership of Mrs. Jordan.

Silver Anniversary Year

ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., MAY, 1938

NO. 5

Better Homes Day, Wednesday June 15

Better homes day, Wednesday June 15

The women's division of the Essex County Extension department under the direction of Home Demonstration Agent, Mrs. Mary M. McIntire, will hold their annual Better Homes Day on Wednesday, June 15 from 10.30 A. M. to 3.30 P. M. in the Agricultural building at Essex County Agricultural School.

Miss McGovern of Lever Bros., will be present and not only give a talk on the making of breads and pastries but will give a most interesting demonstration of these foods.

Miss Emily Weigel of Boston will have charge of a demonstration of foundation garments.

There will be exhibits in the renovation of furniture, home nursing and foods.

After the programs tea will be served and there will be an opportunity for those present to meet the speakers and exchange ideas with homemakers from other sections of the county.

ESSEX AGGIE ALUMNI ASS'N.

At a recent meeting of the executive board of the Essex Aggie Alumni Association, the matter of our 25th anniversary was discussed. Preliminary plans were made and the following committees appointed.

Program of events: John E. Eastwood, Eric Bergstrom, Miss Ethel Moore and Willard Earley.

Dedication: Director Smith, R. B. Odiorne, Trustee Michael McGrath.

Exhibits: George Meigs, County Agent Smith, James Gallant, Mrs. Mary McIntire, Roger Knowlton, Miss Ruth Emerson, Harold Mostrom, Miss Moore, Director Smith.

Athletics: Coach Phillip Couhig, Miss Mary McNamara, Wallace Moreland, Stanley Chilbowski, Gildo Santin, Olive Decraney Wills.

Future Farmers' Stand Now Open On Turnpike

The Half Way stand on the Newburyport Turnpike, which is owned and operated by the Essex Chapter, Future Farmers' of America opened for the season Friday, May 13.



Half Way Stand on Newburyport Turnpike

Robert Nichols of Lynn is the attendant with Robert Spencer of Danvers serving part time. Joseph Scouler of Lynn, Stewart Chase of Peabody and Harold Jones of Danvers are being considered for positions as assistants.

Starting with asparagus and seedling plants the stand will be stocked daily with fresh vegetables and fruits as the season advances.

All products are raised at the school or nearby farms and sold under the Bay State Quality label which signifies approval of the State Department of Agriculture.

George E. Gifford

Finance: Arthur Kochakian, Horace J. Shute, Joseph Cassano, Marie Murray, Leslie Wagland, Chester Hansen.

Banquet and Dance: Winslow Dannels, Viola Shute, Albert Brindle, Mildred Russell.

Reception: Parker Ryan, Walter Moore, Fred Cipolla, Elizabeth Playdon, Doris Witham, Louise Semple, Florence Kennedy.

The executive board will co-operate with these committees and act as the steering committee for the entire day's events.

Horace J. Shute

Dependable Annuals Lend Color Until Late In Fall

There's no gainsaying it, the longer I work with annuals of the flower garden, the more I love them. We sow the seed in the spring, do we not,

indoors or outdoors or best in the little old hot bed and with ordinary precautions in oven heating steam pressure cooling, or just boiling the seed soil to kill rot fungi and due care in watering and ventilating, we produce in our own backyards lusty young annuals enough to plant

our borders and beds, and exchange some with neighbors.

By the time this issue is in subscribers' hands Calendulas, Marigolds, Zinnias, Coreopsis, Babysbreath, Portulaca, Cornflowers, Incarvilleas, Nasturtiums, Cosmos, Strawflowers, Toadflax, Sanvitalias, Candytuft and possible others can still be sown in the garden for late summer and fall bloom.

Annuals the dependable! they fill the holes in the garden where capricious perennials and timid biennials deserted the ranks the past winter; they give of their best through heat and drouth when perennials droop and dare not bloom; and a host of them continue with us right into autumn days when the herbaceous perennial border is finding it hard to uphold its dignity with Asters, Chrysanthemums and Boltonias.

Unlike the flights of many perennials our annuals keep pegging away delivering color and fragrance week after week, affording us time to get well acquainted with their numerous members and taking us with them through bright October to drab November that kindly but firmly pronounces its benediction on the last brave Verbenas, Petunias and Pot-marigolds upholding the glory of annuals, the dependable.

H. Linwood White

Essex Farmer and Homemaker

HATHORNE, MASS.

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the Essex County Agricultural School,

A MONTHLY PUBLICATION SUBSCRIPTION 25c PER YEAR

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Secretary, R. H. Campbell	

CALENDAR

May 21—4-H Clubs Dress Contest at ECAS.
June 11—4-H Clubs Field Day at ECAS.
June 15—Better Homes Day 10.30-3.30.
June 18—Essex County Employees Outing at ECAS.
June 22—Parents' Day.
June 24—Homemaking School closes for summer vacation.
October 1—Twenty-fifth Anniversary opening of the School.

ATTENTION FRUIT GROWERS

During the past month the fruit growers of the County have been meeting at Twilight (7 P. M. D. S. T.) Thursdays and visiting various orchards in the County. The schedule for the next few weeks is as follows: May 19, Ellis Orchards, Porter St., Melrose; May 26, Greycroft Farm, Wenham; June 2, Gilbert Wallace, Chadwick Rd., Bradford; June 9, Porter I. Livingston, Lowell St., Andover.

Mrs. Nellie R. Chick of Rowley, is the new housekeeper at the school, taking the position formerly held by Miss Chase.

Extension Leaflet 116 deals with the eradication of Cut worms.

ATHLETIC FIELD

A favorable winter finds the Athletic Field in excellent condition. The grass appears to have wintered well, and the shrubbery came through exceptionally well.

New work this spring consists of planting many trees and shrubs, finishing grading on the small areas and seeding, pruning the old trees around the field, and putting in many of the accessories, such as shot put circle, and grading and furnishing the areas for jumping, pole vaulting, and other accessories.

A suitable wire fence is now in place on the west side of the field and shortly a heavy fence will be run across the northern side of the field.

Plans are advanced so far that we can confidently say that the field will be in readiness for the big twenty-five year event, October 1, 1938.

WHEN TRANSPLANTING

Handle plants as carefully as you would a baby.

Follow these practices:

1. Select only strong vigorous plants, free from disease and insect infestation.
2. Take as much earth as possible with the roots and be sure to keep them wet.
3. If possible transplant on a rainy day, otherwise use plenty of water.
4. Set each plant in a hole of sufficient size to accommodate the roots without crowding.
5. Firmly press the earth around the roots so that the plant will solidly set.
6. Test occasional seedlings and every plant to determine if they have been set securely.

Suggestions:

Handle seedlings by their leaves rather than by their stems.

When setting strawberries, primulas or other plants with leaves in a rosette, make certain that the lower leaf bracts are above the soil surface.

It may be advisable to remove part of the top in order that there be balance between top and root.

Newly "set" plants may be covered with newspapers, etc., to check rapid water losses.

Set out your fall and summer blooming plants now; wait until early fall to set out the spring blooming ones.

Moderately hardened seedlings will quickly adjust themselves to their new environment.

James G. Gallant

Word has just been received that Ira J. Mitchell, class of 1926, who entered the school from Haverhill, has been appointed superintendent of one of the largest cemeteries in the South, located at Louisville, Kentucky. The congratulations of his many friends will go out to him in this successful appointment.

HINTS ON TESTING SOILS

Testing soils is not the cure-all for plant troubles. There are many factors responsible and only a careful study of each situation will reveal the proper procedure. However, where it is necessary to take soil samples for a laboratory test there are some definite rules to follow for the best results. Any tests to be made on soil samples can be useful only in so far as the samples submitted truly represent the conditions in the field, garden or lawn.

Please note the following suggestions:

1. Decide what area is to be represented by a sample. Take separate samples for distinctly different soil types and for areas treated differently (lime, fertilizers, etc.) or for trouble spots.

2. Take 10 or more uniform slices of soil within each sample area—to plow depth in cultivated land—two to three inches deep in sod land. Use spade or trowel.

3. Mix thoroughly in a pail. Remove stones, roots or other foreign material. Take approximately a pint of this for your sample.

4. Use clean container. Avoid anything which might contaminate the sample. Clean ice cream cartons, glass jars, or tin cans are suggested.

5. Label carefully.

6. If you cannot bring the samples to the School personally, please see that as much as possible of the following information accompanies the samples. The more information you give the better the recommendations we can suggest.

- a. What crops were grown in this area most recently?

- b. What kind of trouble have you experienced with crops in this area?

- c. What fertilizers or manure were used within the past season or two?

- d. When was the area limed last? or wood ashes used?

- e. What do you desire to grow there next?

- f. If the area is lawn, is it blue grass or bent grass lawn?

- g. Does the soil seem to be too wet or too dry at any time in the growing season?

- h. Just what information would you like to receive?

JUNIOR GIRLS ARE GARDENING

The Junior divisions have begun a course in Home Gardening under the direction of Mr. White, instructor in Floriculture at the School.

During the course the students will study plans for flower beds and flower borders, plan a garden, make a dish garden and terrariums as well as plant part of an outside garden.

By the end of the course the girls will have learned the names of one hundred ornamental flowers and house plants. The characteristics of forty-five such plants will be studied in some detail.

M. B. and M. A.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

MAY, 1938

STUDENT EDITORS

Homemaking Department

Margaret Spinney, '38 Saugus
Helen Corliss, '38 Andover
Isabell Noone, '38 Lawrence
Wyntha Tompkins, '38 Essex
Mary Anderson, '39 Peabody
Mildred Burke, '39 Methuen

Agricultural Department

Aubert Giles, '39 Danvers
Allan Trask, '38 Peabody
Walter Winn, Jr., '38 Methuen

F. F. A. Reporter

Leonard Duratti, '38 Swampscott

PARENTS' DAY

Parents' Day in the Homemaking Dept. is an annual event here at Essex Aggie. It is held on the Wednesday before school closes which comes on the twenty-second of June this year. On this day exhibits are set up in much the same way as they were on Farmers' and Homemakers' Day and the students' work for the year is displayed.

The activities will start at 11.00 o'clock in the morning with a student participation program. During the time between 12.00 and 2.00 o'clock there will be a demonstration of class work by various students. In the afternoon there will be an outside speaker who will be announced later and a Fashion Parade will conclude the program.

Those bringing box lunches will enjoy eating on the campus weather permitting.

G. M.

JUNE GARDEN SHOW

The Second Annual June Garden Show will be held on June 22, in connection with Parents' Day. The Junior Girls and the Floriculture Club are sponsoring the show.

Edith Sharp is chairman of the Show and Grace Rainey, clerk. The following girls have been appointed on committees: Schedules and prizes: Patricia Sheehy, Mary Anderson, Marie Jacques. Staging: Frances Gangi, Dorothy Savage and Olive St. Pierre. Judging: Ruth Savage and Mildred Burke. Publicity: Lois Archambault, Wyota Purington. Labeling: Ada Marsland and Eleanor Noone.

The division chairmen are: Junior Girls' Gardens, Helen Moore. Collections, Athalie Adams. Demonstrations, Edith Skidmore. House Plants, Edith McIntyre. Plant Arrangements, Helen Lambert. Garden Flowers, Ada Marsland. Flower Arrangements, Lucy Grover. Garden Plants, Pictures, Diaries and notebooks, Williamena Smolak.

The judging will take place Tuesday, June 21 and the Show will be open to the public Tuesday afternoon and Wednesday from 10.30 to 3.30 in the Floriculture building.

F. F. A.

The West Springfield Chapter, FFA now publishes an attractive mimeographed paper under the name of "The Kernel". As far as we know this is the first chapter publication to appear in this state. The Essex Chapter has several outlets for its publicity; i. e. Essex Farmer and Homemaker, Green and White and the press. Congratulations to the West Springfield Chapter for being the first in this interesting field.

FRESHMAN EXPENSE, AGRICULTURAL DEPT.

Upon enrolling at Aggie, the student is required to make a deposit of \$5, which is credited to him and drawn upon only upon loss or breakage of school property. This money is returned in whole or part whenever the student severs his connection with the school.

To carry on the activities of the Essex Chapter, Future Farmers of America, the students have voted to subscribe to various items totaling \$1.90. This amount includes membership in the Association with all its privileges, subscriptions to school publications and athletic dues.

Students are expected to provide suitable gym suits and tennis shoes, but these may be quite inexpensive. Beyond these items, there are incidental items, Science and English note books.

The incidental expense for the year, exclusive of carfare and luncheons is under \$10.

CHANGE IN PROGRAM

Many changes have taken place in the program for the last quarter of the year.

The Juniors will have gardening one morning a week, instead of Handicraft and Foods' Theory.

The Foods' Theory is now scheduled with the Foods lessons. For the last quarter the Freshmen are cooking and serving lunches for the faculty. Cooking for the faculty gives them practice in cooking for a large number.

M. B.

"A TOUCH OF FASHION IN THE SPRING"

Spring certainly did seem in the air the afternoon that Mrs. Esther Cooley Page spoke to the girls of the Homemaking School on clothing and style. She said that it is very easy for us to know our head coloring and our figure but it is not so easy to know our personality. She also suggested that it is a very good idea to get out of our "clothes" rut by changing the colors we wear. It is also a good plan to try and like colors that we have a slight tendency to dislike by wearing them. This is possible, according to Mrs. Page, by wearing the color in the right shade, texture and intensity.

Mrs. Page reminded us that the tri-color scheme is prevalent this spring and can be introduced into our costume in various ways. An example of this, is in scarfs. She demonstrated this to us in the combination of chartreuse, "American Beauty" rose and Schiaparelli purple. This may be worn with many things and in varied ways. Another combination which goes very well this spring is gray, sun gold and Paris sand, also Schiaparelli purple and Kelly green to be worn with gray, tan or blue.

Mrs. Page also demonstrated various accessories that are being worn this spring, such as colored veils, Tyrolean belts which can be made of dress material and embroidered, braided belts and those of grosgrain ribbon, and beads which are used in bracelets, brooches and gadgets.

The Senior girls who helped to model some of the dresses play suits and dressmaker suits were: Dorothy Edmands, Grace Taylor, Betty Walsh, Kay Johnson and Edith Moody.

W. T.

HONOR ROLL

The honor roll for the Homemaking Department for the third semester has been released.

Freshmen—June Agersea, Edith Campbell, Cecile Cheney, Mary Maklae.

Juniors—Mildred Burke, Lucy Grover, Ada Marsland, Grace Rainey, Edith Sharp, Edith Skidmore, Williamena Smolak.

High School Specials—Madeline Cady, Susan Ellery, Pauline Graichen, Gertrude Hennessey, Rachel Kruschwitz, Grace Mann, Betty Nief, Lucille Peltier, Ruth Poland, Nathalie Sheldon, Frances Woodhouse, Eleanor Yerbury.

Seniors—Katherine McLaughlin, Grace Taylor, Ellen Wills.

AWARDED BAY STATE DEGREE

At the March meeting of the State F. F. A. two members of the Senior class at Essex Aggie were awarded the Bay State Degree. These boys were Jacob Ranta of Rockport and John Kukene of Amesbury. The article that Ranta submitted as a candidate for this degree follows:

All my life I have been connected with agriculture, in some form or other. As early as I can remember my parents had fifteen cows. Since my father's death the herd has decreased until we now have but four. We also have about 60 hens and we raise our own chicks. We try to raise enough vegetables for winter use. The few fruit trees give us a few apples and pears.

When I graduated from High School in 1935, my mother wanted me to go to business school but I thought I would rather go to Essex Aggie. They advised me to study Floriculture. So my first year I studied Floriculture and Vegetable Gardening. But Floriculture was not for me so I changed to Animal Husbandry. The first year's project was on the school vegetable gardens and I certainly gained a lot of valuable experience and should profit by it. I earned approximately \$150 and of this I gave \$100 to my mother.

For my second year at Essex Aggie I continued with Animal Husbandry and chose Advanced Market Gardening as a minor subject.

My second project was on a general farm in Portland, Maine. On this farm of 65 acres they had 35 head of pure bred Jerseys and about 30 head of young stock in Vasselboro. On this I was assigned the work of taking care of the cows. Each morning I did the usual dairy barn chores. While I was feeding the cows one of the other boys would start milking and as soon as I was through feeding I would wash and then help in the milking. After milking I would usually wash utensils and then clean the barns. If I had any time from barn work I would either help around the garden or in making hay. On this project I earned approximately \$210 and again each month I sent home \$20 to my mother.

When I returned to school for my third and last year I chose for my major study, Advanced Dairying and for my minor study, Field Crops. The only reason I took Field Crops was because there was no gardening courses available and Field Crops was the next available course and would be helpful in dairying. I certainly am glad that I am a student of dairying in Essex County Agricultural School.

For my extra curricular activities I have the following: 1st year: Sales Booth and Concessions Committee; Basketball. 2nd year: Vice-President F. F. A.; Chairman of Vocational Improvement Co.; Vegetable Judging

FORMAL DINNER

One day during a class discussion in Foods, Miss Emerson gave the girls something to think about—they had to give a formal dinner. It sounded like a dreadful ordeal, but really it was a lot of fun.

At the next lesson, each girl in the class brought in a menu. These were discussed and the girls selected the best thing out of each one or enough to make a complete menu. This was the result:

Fruit juice cocktail	Hors D'oeuvres
Consomme	Souffle Crackers
	Maryland Chicken
	Duchess Potato Cups
Stuffed Onions	Birdseye Peas
Gravy	Cherry Jelly
Grapefruit Watercress Salad	
	French Dressing
	Cheese Straws
Vanilla Ice Cream	Strawberries
Assorted Tea Cakes	
	Demi Tasse

Lots were drawn to find out what each girl was going to do. I was surprised to have selected the slip "Hostess". There was a host, Ellen McDonnell and the other member of the family, Edith Moody, from the Senior class besides the five guests to be invited. This made up the dinner party of eight.

In the kitchen, the rest of the girls prepared the meal. There were three cooks, Madelyn Mathison, Kay Johnson and Betty Walsh who also acted as serving girl. The very capable waitresses were Frances Carty and Olive Purdy.

The guests were voted on and then a formal invitation was sent to Mr. and Mrs. Mstrom, Director and Mrs. Smith and Miss Moore.

The table was very attractive. A private dining room was made by placing screens around the table. The color scheme of the dinner was pink. The centerpiece was an attractive arrangement of sweet-peas and fern from the school greenhouse. The host, made nut cups of pink crepe paper with place cards attached.

The living room or reception hall of our home was Miss Moore's office. The three seniors greeted the guests and after they had signed the guest book, all proceeded to the dining room.

There were many "ohs" and "ahs" at sight of the table and many compliments throughout the meal. It was a very successful dinner party prepared and planned entirely by the Senior A Class. Every girl enjoyed doing it very much and would like to repeat it.

Grace Taylor

EXCERPTS FROM STUDENTS' REPORTS

Saturday and Sunday we were very busy with the Easter trade. We kept open all day Sunday. Just as we would start to lock up someone came in to purchase. I waited on customers, made up bouquets and sprays, and wrapped up potted plants and flowers.

I made corsages of gardenias, roses, sweet peas, jonquils, camellias and marguerites.

I haven't had much time to work in my garden lately, but I have uncovered some of the beds. I also spaded up part of the border of the rose garden. I am going to plant perennials there. I intend to start a seed bed this week if I am not too busy in the store.

H. C.

My work this week consisted of putting several early hatches on range. The range is in excellent condition having an abundance of clover. This makes an excellent feed for young pullets because it is high in protein. The young cockerels are confined and soon will be sold for meat. The laying birds are doing well and should increase in production when they have access to fresh green feed.

P. C.

KUKENE'S ARTICLE

John J. Kukene of Amesbury wrote the following for his Bay State Degree:

My interest in Agriculture began six years ago when I joined a 4-H club. At that time I had less than a quarter of an acre garden for a project. Receipts of prize money from Topsfield Fair made possible a greater expansion for the next year.

With three years' experience, I entered the Essex County Agricultural School and became interested in Fruit growing and Vegetable Gardening.

The following summer I carried a three-quarter acre vegetable project and set out a quarter of an acre of strawberries. The Vegetable garden gave me over \$100 profit.

The following year I returned to school taking Large Fruit and Advanced Market Gardening.

Last summer (1937) I had a bearing strawberry bed of over 1000 plants which gave me a cash income of \$248.60. I expanded the vegetable garden to four acres and I realized \$686 from the sale of products. When the dry spell came in mid-July, I noticed that I would lose my corn. Therefore I did the next best thing, I hired a few boys and sent them out into the woods to pick blueberries which were plentiful and this gave me a profit of \$68.

I also undertook the care of a neglected peach and apple orchard. These were pretty well gone but with careful spraying and management together they gave me a profit of \$92 and a few cents. Therefore my project receipts for the past season have been \$1012.66 on seven acres.

team; Football; Basketball, and Treasurer of Junior Class.

3rd year: President of F. F. A.; Animal Judging Team; Glee Club; Football; Basketball; Head Usher at Graduation.

I have also been on the honor roll all three years.

POULTRY SURVEY

A Poultry Survey is now being conducted in Essex County by John Brett of Sterling, Mass., with the purpose of determining the facts to the factors, this will contribute to the success or failure of the poultry industry in this section.

Thirty records will be made in Essex County and they will be combined with records taken in Middlesex, Norfolk, Plymouth, Bristol, Barnstable and Worcester Counties.

The report will be published and ready for distribution about September first.

Robert B. Littlefield, Farm Supt., at the Danvers State Hospital, has planted a large acreage in Ladino Clover this spring.

R. E. Meserli, superintendent of Edgewood Farm, North Andover, has planted four acres with Ladino Clover, renovating an alfalfa field seeded in 1927, by disking and reseeded.

Mr. Kucinski in charge of Soil Erosion in Massachusetts was in Essex County recently making a survey with County Agent Francis C. Smith.

Numerous instances of erosion were found and noted along the Merrimac Valley. It is hoped that a program for the prevention and control of soil erosion may be planned for Massachusetts soon.

At the Danvers State Hospital the hill near the Turnpike was strip seeded in 60 foot widths last year, leaving 60 foot widths of old sod. This is preventing washing.

F. C. Smith, County Agent

CARE OF FABRICS

The life of the fabric you use in making your garment will largely depend on the care you give it. Never allow your garment to become so soiled that unusual rubbing is required to get it clean. Frequent cleaning or tubbing will be a saving in the long run.

If your material is not marked washable, test it before you put it in the tub. You can do this by cutting a square of the fabric about 4"x4" and drawing a diagram to its exact size on a piece of paper. After washing and pressing the square of fabric place it on the diagram to determine whether it has shrunk and compare it with the original material. If there is a difference the material should be dry cleansed.

If you are testing your fabric for color and not for shrinkage this can be done in a tumbler of luke warm water. Allow the sample to stand in water for about five minutes.

Always test the heat of your iron on a scrap of your fabric before actually using it on the garment you are making. Cottons, you will find, can stand the most heat and while silk, wool or rayon may not scorch at high temperature, too much heat is likely to weaken the fiber.

Abbie Clapp

SHOPPING FOR SHOES

A century ago the spring visit of the itinerant shoemaker was an important event. The visit lasted several days or longer and all the family were fitted with shoes for the coming year. It was possible for the wearer of the shoes to watch every detail of construction, the result was an honest pair of shoes made for service. Later the shoemakers set up small shops, where they made hand-pegged shoes. In each group could be found rows of lasts each marked with the name of the person for whom it was designed. Season after season the customer ordered shoes made on the same last, with no thought for changing fashion, selecting from the shoemaker's stock all materials used.

The present day consumer knows little about materials which go into a pair of shoes or the methods of construction. The cost of shoes is largely determined by the quality of material used, and the method of construction. Good leather is still the best material for the making of shoes. It is durable, flexible, easily shaped and sewn, porous to permit evaporation of perspiration.

Sole leather is generally of cow hide while lighter leathers, calfskin, kid or sheepskin are used for uppers. Sheepskin is usually less durable than other leathers and is found only in cheap shoes. Hides are often split, doubling the area of the leather but making the leather much lighter. The outer portion known as "top grain" is more durable than the under portion or "split leather". Split Leather is often given a grain resembling that of "top grain" leather. The customer who wants a pair of shoes which will give service should avoid split leather.

Two common methods of joining soles and uppers are the Welt method and the McKay method. In the Welt method a strip of leather called the welt is used to join the soles and uppers. This is the most durable method of construction and is used for men's and children's shoes and women's oxfords. In the McKay method the upper is tacked to inner and outer soles, all three are stitched in one operation and both tacks and stitching may be felt from the inside. This method is inexpensive and is used for women's shoes, but does not make as durable and as easily repaired shoes as the welt method. Turn shoes can not be easily repaired and are usually used only for dress shoes.

Good shoes are shaped from seven to ten days on wooden lasts. Less expensive shoes are left in the lasts only a few hours. The length of time on the last affects the way in which the shoe holds its shape. The shape of a shoe will be spoiled unless box toe, counter and inner sole are of good quality leather. In cheap shoes materials other than leather may be used, but are not satisfactory for long time wear.

GARDEN CHAT

Vegetable growth seems to be keeping pace with the advance season in general. On May 9th first pulling of radishes was noted; peas have been seen 10 inches tall; asparagus is cutting very well and the quality excellent; rhubarb has been pulling for a week or ten days; spinach will be ready by the date of this publication; beets, lettuce and carrots have been weeded and thinned; corn is up with beans cracking the ground; tomatoes will be ready to set by the 18th of May. If prices would keep apace of plant growth this season, the market gardener would be "all set".

Some 300 odd varieties and strains of vegetables may be seen growing at the School Market Garden during the season 1938. If you are interested in some apparent new variety to you and have heard great things in favor of it, why not visit the School and see for yourself how promising the variety looks to you.

Don't forget to treat your early set cabbage and broccoli plants with corrosive sublimate for cabbage maggots. Sodium Arsenite has been effective in controlling onion maggot on seed grown plants. Flea beetles will soon be at work on potatoes, tomatoes, egg plants, etc. Don't let them work too long before trying to rid of them. Why not send to the college or the School for Extension Leaflets No. 116 and No. 171 and have complete information on controlling your insects and diseases affecting your vegetable crops.

C. M. Stearns

MARRIAGE

A wedding of interest to faculty and alumni of the School took place on Sunday, May 1 when Miss Lydia Belle Chase, daughter of Mr. and Mrs. Irving N. Chase of Amesbury, became the bride of Warren Elmer Killam, a former student at Essex Aggie.

Miss Chase has been housekeeper at the school for the past two years and is sister of Instructor Fred Chase.

Mr. and Mrs. Killam will be at home after June first at their new home in Readfield, Maine.

Kenneth White '36 of Salem and Miss Alice Jones of Beverly were married Easter Sunday, (April 17) and are now residing at 43 Charnock street, Beverly.

A well fitting shoe should be a half inch longer than the foot and wide enough to allow for the foot spread which comes in walking. Sensible heels with rubber lifts save the body many jolts and strains.

Try this experiment stand with shoes off, on a piece of paper, trace around each foot. Trace around your shoes. Cut out each tracing and compare them. Results may be surprising.

Constance Lovett

ANT EXTERMINATION

Ants are frequently admired for their industry and in the next breath condemned for turning the pantry and lawn into a happy hunting ground. The only sure, effective way of exterminating these pests is relatively simple: find the holes leading to their underground homes and gas them out with carbon bisulphide. This material is inexpensive and when used efficiently, one treatment is usually sufficient.

The best way to get the fumes of the liquid into the nests is to make small holes, eight to ten inches deep and six to eight inches apart in the infested area. Into each opening pour one tablespoon of carbon bisulphide and cover immediately with soil. The gas, being heavier than air, will replace it in the tunnels occupied by the ants, thus effecting a quick death. Special precautions must be taken while working with this material as it is highly inflammable. Avoid close contact with a lighted match, cigarette, pipe or cigar.

When purchasing this chemical ask for the common "technical" grade, it is just as efficient and much less expensive than the chemically pure grade.

If the homemaker is unsuccessful in locating the nest of the ants foraging for food in her pantry, the pests may be trapped or poisoned in the house. Sodium fluoride (poisonous to children) may be dusted liberally in the areas where ants congregate and especially in the vicinity of the place where they enter the house. If small children are in the house, pyrethrum powder should be substituted for Sodium Fluoride. It is non-poisonous, though nauseating, to children.

Commercially manufactured Thallium Sulphate baits have been found highly effective in controlling ants. These are poisonous and must be used with care. Purchase a commercial product having this chemical as a base and follow carefully the directions of the manufacturer.

Ants may also be trapped in receptacles of sweetened water and destroyed with fire. Repellants such as borax do not give satisfactory results.

James F. Gallant

ALUMNI NOTES

William A. Long '37 is florist at the "Millett Greenhouses", Wildwood Road, Andover.

Walter Hichens '37 is issuing a monthly reminder of doings at the Square Deal Farm in Eliot, Maine.

Ernest Thayer '35 is operating a general farm on Wenham street, Danvers.

Alfred Caproni '34 is working in a shipping room in North Adams.

Carroll Killillae '37 is at the C. C. C., North Woodstock, N. H.

4-H EXHIBITIONS

This is the season when 4-H Club people display the work they have accomplished in their meetings during the winter. A program of interest and information is usually held at the time of the exhibition which explains the operations of 4-H Club work.

The first exhibit in the County was held in Methuen. Twenty-five girls comprising three clubs, two clothing and one food club.

The exhibition consisted of dresses, aprons and gifts made by the clothing girls and five tables set up illustrating party suggestions. One table represented St. Patrick's Day, one Valentine's, another Easter, a Nautical party and the fifth was a children's party table.

The program consisted of a group of 4-H greeting songs, a health play followed by a style show entitled "Then and Now". Showing the contrast between the costumes worn in 1850 and those worn now by the stylish miss. Wedding gowns, sport clothes, evening gown and bathing suits were compared.

The clothing feature was a style review of all the dresses made by the club members.

Mrs. Horace J. Shute and Miss Grace Raimey are the leaders of the Methuen clubs.

Other clubs in the County are holding their exhibits later this month.

4-H ON THE AIR

Do you listen to the Farm and Home programs on WLAW? The Essex County Extension service is on every Tuesday at 12.30, the 4-H Dept. is on once each month. Their programs are varied and are extremely interesting in that they carry actual stories of club activities and records of outstanding activities.

Listen to WHDH, Saturday at 12.45 for stories of club work in Eastern Massachusetts. On May 21, Essex County will broadcast the dress review seen from the stage of the auditorium at the Agricultural School. There will be girls from your town in this day of days for 4-H Club girls.

Keneth Nunan '34 is working for his father at Albert Nunan and Sons, Saugus.

Ernest Tarbox '36 is still employed by Carl Stanton '16 in Peterboro, New Hampshire.

John Hennessey '21 has purchased a farm at the corner of Shawshen and Nichols street, in Wilmington, Mass. He will have 35 acres of general farm and room for 400 laying hens.

PARENTS' DAY

JUNE 22

FOOD AND DRESS CONTEST
MAY 21

On May 21, the Annual Food and Dress Contest for 4-H Club members of the County will be held at the Essex County Agricultural School.

The dresses and suits made by the contestants will be judged on Friday, May 20 off the person and on Saturday, May 21 they will be judged on the contestant.

Miss Marion Forbes of the State College, Miss Bessie Bourne a Club Agent from New Hampshire, Miss Edna Rundquist of Gloucester will be the judges.

There will also be an exhibit and demonstration by some of the Foods Club girls of foods.

One of the most interesting things is the style review. The 4-H Club under the leadership of Mrs. Horace J. Shute will present a program of comparison of styles of 1850 and 1938.

The two winners in the clothing and the two winners in the food contests will be eligible to compete in the state contest at the State College June 4.

FIELD DAY JUNE 11

The Annual 4-H Club Field Day will be held at the Essex County Agricultural School on Saturday, June 11.

This day has been set aside especially for 4-H Club members everywhere in Essex County. A day of fun for every one. Stunts, contests and sports will feature the activities of the day.

More than 500 4-H Club members are expected to compete for the many prizes and the Field Day Banner. Parents and friends are cordially invited to attend.

WOOL POOL

Arrangements have been made by the Extension Service of the County for Instructor Kenneth W. Forman of the Agricultural School to handle the weighing in of wool for Essex County, on Saturday, June 11.

County Agent Francis C. Smith states there will be two plans offered the growers this year: one is to have the wool made into blankets. The other, to pool the wool and sell at the market price and return cash less expenses to the grower. It takes 11 pounds of raw wool for the heavy 70x90 blankets and 9 pounds for light 70x90 blankets as well as the heavy single bed size 60x84 blanket. The cost of manufacturing is \$2.90 per blanket plus an extra charge of ten cents for handling and shipping charges.

The County Agent further says growers should shear before it gets too warm. Many growers shear too late for best quality wool. With the world's supply of wool heavy, this offers a good method of marketing.

Dedication of Bauer Field ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., JUNE, 1938

NO. 6

Better Homes Day

As we go to print the final plans have been made for Better Homes Day which will be held on Wednesday June 15, from 10.30 to 4.00 P. M., under the direction of Mrs. Mary McIntire, Home Demonstration Agent at the School.

In the morning there will be a demonstration by Miss Marjorie Stebbins of the Consumers Service of Lever Brothers, Cambridge. Miss Stebbins has chosen for her subject "Cooking with Confidence". Among the foods she will cook will be rolls, a dinner, a pastry mix will be made into tarts and baked and a spice cake with a broiled cocconut frosting will also be made.

During the lunch hour 12 to 1.30 those attending will have an opportunity to visit the greenhouses and gardens and enjoy their basket lunch in some shady nook on the campus.

Miss Evylyn L. Weigel of Boston will lecture on "Foundation garments" and members of the Home-making school will be models.

Mrs. Thomas Rudkin of Beverly will be the guest speaker taking for her subject "The Bouquet Habit". Mrs. Rudkin is always eagerly awaited by all her audiences and all who attend will gain much inspiration from her talk.

Refreshments will be served as the closing event of the day. During the day mothers with small children may leave their little ones with a group of girls from the homemaking department.

The girls who will have charge of the small children are: Betty Nief, Madelyn Cady, Ellen Pool and Mary Lafond.

Ellen Wills and Dorothy Edmands will assist Miss Stebbins in the food demonstration.

Winifred McKay, Priscilla Hopkins, Carolyn Walker, Eleanor Yerbury, Hazel Mason, Helen and Rita Ouellette and Natalie Sheldon will serve refreshments.

FARM AND HOME WEEK

JULY 26-29

STATE COLLEGE

AMHERST

WINTER BE FORGOTTEN

Flowers of the hill
Flowers of the plain
Flowers in the garden
Are in bloom again.
Let us then be happy
With our might and main
Winter be forgotten
Summer's here again.

Henry P. Thurlow

Honors To Instructor Knowlton

Members of Essex Aggie are pleased to learn that Instructor Roger Knowlton has had his play "Dusty Bullets" chosen among the three that Week at the State College, July 27 is the date.

The judges of the State College Play Writing Contest were: Prof. Walter Pritchard Eaton of Drama department of Yale; Mrs. Hazel Jones Lee of Northampton, who has will be given during Farm and Home had extended stage experience in England and this country; Prof. Frank Prentiss Rand, head of the department of Languages and Literature at Massachusetts State College.

This is the third successive year that some one from Essex County has been among the first three, Mrs. John Lennox Hannon of Swampscott, and Cornelius Wood of Andover.

The other plays which will be presented besides Mr. Knowlton's this year are "Three Women in Wartime" by Charles Cameron of Bridgewater; and "Prodigal" by George Smith of Holyoke.

The twentieth annual Farm and Home Week will be held at Massachusetts State College, July 26 through the 29th. There are seventeen scheduled programs which include, home economics general, farm and home clothing and textiles consumers' forum, parent's institute, Grange program, Parent-Teacher program, lawn day, agricultural division which includes dairy and land problems and also some cash crops, community organization and recreation, beekeeping, feed dealers, home flower garden, forestry, poultry, fruit growing, nurserymen, commercial vegetables and food preservation.

Parent's Day Program

Although it seems almost unbelievable that a year has gone by and it is June again we find that it is true, and that with it comes another Parents' Day. June 22nd is the date set for it and the plans have been carefully made. There will be exhibits in all the rooms which will include different phases of clothing, home hygiene, nutrition and also those on vitamins, art, and the exhibit of a buffet supper.

At eleven o'clock, the program of the day begins with a play entitled "Martha Washington Returns". The cast of this play includes: Martha Washington, Wyntha Tompkins; Mary Ellen, Pauline Graichen; Patsy, Kay Johnson; Jean, Nathalie Sheldon; Margaret, Ellen Wills; Katherine, Frances Woodhouse.

At 11.30 there will be a Physical Education Exhibit under the direction of Miss McNamara, 12 to 2 there will be the opportunity for luncheon on the Campus.

At various times throughout the day there will also be demonstrations on soap-making, cold cream, smocking, testing for weighted silk, bed-making, bandaging, manicuring and handcraft.

The afternoon program will start at two o'clock with Mrs. Frank B. Sanborn of Cambridge as guest speaker. She will speak on "The American Home of Long Ago". This will be followed by a Fashion Parade by the students of the dresses, suits and gowns that they have made during the year.

W. T.

GARDEN CLUBS TO MEET

The Garden Clubs of the North-east Region will meet on Wednesday June 22 at Essex Aggie. The Danvers Garden Club will be the hostesses in the morning. The program will start at ten o'clock with a demonstration of the planting of a border by Mr. Seth Kelsey of Kelsey Highland Nurseries. There will be a contest of window boxes.

Each member will bring a basket lunch and at 2.30 they will visit gardens with the Topsfield Garden Club acting as hostess.

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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Topsfield
Hathorne
Topsfield
Cliftondale
Topsfield

CALENDAR

June 18—Essex County Employees
Outing at Essex Aggie 1-5 P. M.
Sports, 5-7 P. M. Dinner, 7-10 P.
M. Dancing.
June 21-22—June Garden Show by
Junior Girls.
June 22—Parents' Day, Program be-
gins at 11 o'clock.
Northeast Region of Garden Clubs
at Essex Aggie. Program starts at
10 A. M.
June 23—First meeting of Canning
classes (Summer Project).
July 17—Essex Co. Goat Breeders'
Assoc. Kid Show.
July 30—Essex County Selectmen's
Club Outing at Essex Aggie
September 6—School reopens.
Sept. 7-11—Topsfield fairs.
October 1—25th Anniversary of Es-
sex Aggie.

JUNE MEETING OF GOAT BREEDERS

The Essex County Milk Goat Breed-
ers' Association held their regular
meeting, Friday, June 3 at Essex
Agricultural School. Two new mem-
bers, Messrs Charles F. Sargent and
John K. Lewis of Haverhill, were
taken into the association.
There was a discussion of plans for

SOIL TESTING

The Board of Trustees has approv-
ed a plan by which the School is now
prepared to test samples of soil. A
full, complete laboratory has been
constructed for this purpose. There
will be an initial fee of twenty-five
cents for the first sample, but a
larger number of samples entitles
one to a reduced rate. A report will
be rendered in connection with the
analysis and, if so desired, some
suggestions as to the handling of
the soil or its possibilities as the la-
boratory tester find it.

Any person interested in this serv-
ice may receive a letter of instruction
in regard to taking soil samples.
This latter matter is quite important
if a thoroughly average sample is to
be obtained.

The School welcomes correspond-
ence concerning this new departure.

PEOPLE ARE BECOMING TERMITE CONSCIOUS

Because there have been over 50
calls at the School from people ask-
ing how to identify and eradicate
Termites, there was a meeting held
at the School, May 25, followed by a
field trip to view the actual workings
of these pests.

Nearly 75 men and women attend-
ed the meeting. Prof. William S.
Becker, Entomologist, Massachusetts
Experiment Station was present and
brought samples of wood which had
been destroyed by Termites, Carpen-
ter Ants, Timber Borers, Powder
Post Beetles and he explained how it
was possible to tell which pest was
infesting the wood.

Following this talk and the answer-
ing of questions, the group went to
Topsfield. Here they saw a house
which was very badly infested with
Termites. Mr. Earl Cameron of the
Pitman-Brown Co. and some of his
men were present to explain the work
of reconstruction and permanent e-
radication of the insects.

The part of the trip which was of
the most interest to all who attended
was when one of the workmen pulled
away a board from a part of the
house that had not been touched by
the workmen yet and all were able
to actually see the Termites at work in
their natural habitat.

It is hoped that a later time there
will be arranged another meeting
for the study of this insect which is
rapidly gaining headway in Essex
County.

the Showing of Goats at Topsfield
Fair this fall. Arrangements were
made and completed for the second
annual Kid Show to be held at the
School, Sunday July 17 at 2 P. M.

Everyone is invited to attend this
interesting, novel show and those
wishing to enter animals should con-
tact Robert Campbell of Topsfield,
secretary of the association.
Roy Fleming, Pres.

WHAT TO KNOW ABOUT UPHOLSTERED FURNITURE

Through the beauty and dignity of
18th. century furniture has never been
excelled, the art of furniture making
has not stood still, but developments
have been made along different lines.
One of these developments has been
in the field of upholstered furniture,
and today we find furniture depart-
ments filled with chairs and divans
of luxurious comfort and appearance.

It is well for the consumer to know
something of this phase of furniture
making, for unfortunately everything
is not always as good as what meets
the eye. Where as in some articles of
furniture the workmanship may be
plainly seen, in upholstered furniture
one must rely upon the word of the
salesman as to the enduring qualities
of its construction. Unfortunately
many people have spent considerable
money for articles of furniture which
though attractive to look at, did not
give proper service. Therefore we
need to know more about upholstered
furniture and how to buy it. It would
be impossible to write all the facts
necessary to know without going in-
to too great length, but the follow-
ing points may be helpful.

1st. It is well to buy from a reli-
able house, one which will stand back
of its products.

2nd. Inquire about the frame. It
should be clean and have no knots.
Wood should be kiln dried, to remove
moisture, otherwise it shrinks and
then loosens. Hardwood should be
used such as birch or ash, not a soft
wood such as pine or cypress, which
will not hold screws. The bottom rail
should be of heavy stock, 1½" thick,
to hold up the springs. Dowel joints
should be used and should be glued.
Corner blocks should be of hard wood
and should be glued and screwed to
the frame. In a cheap chair, corner
blocks will be glued and then nailed.

3rd. As to filling, horse hair is best
as moths do not breed in horse hair.
The expression "all hair filled" might
mean goat or might also mean a mix-
ture of 20% horse hair and the re-
mainer cattle and hog hair. Such
a mixture is dyed to one color. Moths
will attack animal hair, especially
hog hair, because of the animal fat,
and sets of furniture which show
signs of moths must be all rebuilt
in order to eliminate moths, as moths
are in the filling, not just in the up-
holstery covering. African fiber is a
filling used in cheap furniture and
Spanish Moss is also used in furni-
ture of average price but horse hair
gives the best service.

Therefore the next time you are
buying upholstered furniture it might
be well to consider some of these
points. Good furniture may cost
more than you at first planned to
spend, but the extra will prove its
worth in years of service.

Margaret R. Harris
Instructor in Related Art

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

JUNE, 1938

STUDENT EDITORS

Homemaking Department

Margaret Spinney, '38 Saugus
Helen Corliss, '38 Andover
Isabell Noone, '38 Lawrence
Wyntha Tompkins, '38 Essex
Mary Anderson, '39 Peabody
Mikhdred Burke, '39 Methuen

Agricultural Department

Aubert Giles, '39 Danvers
Allan Trask, '38 Peabody
Walter Winn, Jr., '38 Methuen

F. F. A. Reporter

Leonard Duratti, '38 Swampscott

JUNE GARDEN SHOW

The second annual June Garden Show will be held on June 22, at the Floriculture building by the Junior Girls' Home Garden classes with the cooperation of the Essex Floriculture Club.

The exhibition committee consists of students from the two Junior classes.

Some of the entries are open to Juniors only but other entries will be opened to all students of the Home-making department.

The June Garden Show will be open to visitors and attendants will be on duty Tuesday, June 21 from 2 to 5 P. M. and on Wednesday June 22 from 9 A. M. to 5 P. M.

M. A.

SUMMER SCIENCE TOUR

Once again the Summer Science Tour will be held during the middle week of July. In former years this tour has proved to be popular with the boys and bids fair to be as interesting this year.

Plans are not yet perfected so that they can be given in this issue but all students who are interested will receive detailed information in their Science letter early in July.

The morning will be spent in visiting places of scientific interest and it is hoped that arrangements can be made to have the group attend a baseball game by either the Bees or the Red Sox.

Plan to go as this trip will be not only educational but also recreational.

The July issue of the Farmer will carry the plans for the annual Project Tour, which will be held sometime in August.

HOMEMAKING EXPENDITURES

Many people have asked "How much would it cost to send my daughter to the Homemaking Department of Essex Aggie?" This depends on whether she comes for the regular three-year course or the High School Graduate Division, where she lives and her transportation costs; if she already has note books or has to buy them; her lunches; and the kind of material and yardage used in the Clothing Classes.

Each student must wear a hair net whenever she is in the Foods laboratory. She may purchase them at school or at any place she desires.

With these facts in mind, it would be very hard to tell the exact cost, but a little helpful information may be gained in the following article.

Upon entry to the school a deposit of \$5 is made and is drawn upon only in case of loss or breakage of school property. This money is returned in full or in part when the student leaves school.

Freshman

1. Clothing Class

In the Clothing Class the girls make two aprons to use in the Foods Class and they complete a uniform that has been started for them by the Senior girls. They then make a child's applied apron, a child's dress, a pair of pajamas and a cotton dress.

2. If the girls have no suitable gym suit these may be bought for \$1.50 and matching anklets are sold at 25 cents a pair.

3. A smock for laboratory work in house care and renovation of furniture is also needed.

Juniors

1. Clothing Class

The Junior girls start by making a Foods uniform. This and the one they made in their Freshman year carries them through their Senior year. They then make a wool skirt, a silk blouse, a garment with smocking and a silk dress.

2. The girls buy the material to make a Dress Appreciation notebook. These come to 15 cents.

3. In the Handcraft Class the girls made the following articles this year.

Decorating of paper plates and wooden bowls—supplied by the student.

Gimp bracelets	\$12—\$18
Block printing for	
Christmas cards	.15
Key case and pocketbook combination	.50
Ornakraft (from small pieces of leather	.12— .15
Amberol rings and bracelets	
Rings	.05
Bracelets	.20

\$.97—1.18

Seniors

1. Clothing Class

In the Clothing class the Seniors start with a wool dress. The second project is usually a renovation problem. This includes the ripping up, washing and the pressing of an adult's coat and the making of it into a child's garment. New lining material, buttons, or other items may have to be purchased and these are the only expense. If the students have time they make a silk dress and if not, they go into suits and coats. Their last project is their white graduation dresses.

2. The Seniors make a notebook for Home Decoration and the materials cost 15 cents. They also make a sample overdrape, for which the materials cost 6 cents.

High School Graduates

The High school Graduate is the name given to the class of girls who have graduated from High School before coming here. This is a one year course and the following things are required during the year.

1. Clothing Class

The girls in the High School Graduates start by making a foods uniform and one apron here at school; the second apron being made as a home project. Then they make lounging pajamas and a wool dress. For the next project the girls may make a silk dress, a suit or a coat. The final project is the making of a navy blue graduation dress.

2. A notebook is made for Dress Appreciating by the pupil. The materials used come to 15 cents.

3. A notebook is also made for Home Decoration and this also is 15 cents. A sample overdrape costs 6 cents to make.

4. Coming from High School the girl usually has a gym suit that may be worn for gym. If not, one may be bought for \$1.50. Matching anklets are 25 cents a pair.

The High School Graduates usually have notebooks that they had in High School and they may use these if they wish. The three-year girls may also use their own notebooks if they have them; if not, notebooks may be bought here at the school for 25 cents apiece and paper at 10 cents a filler.

The High School Graduates can get along on five notebooks and although the other girls go for a longer period of time they have about the same number of subjects, and by using the notebooks over the three years they will need only five. A few additional folders and envelopes may be need but these may be purchased here for a very few pennies.

G. M.

EXCERPTS FROM STUDENTS
REPORTS

Written reports of work accomplished each week are a necessary part of the summer project training at this school. The reports received thus far have been fully up to standards set by former students.

Reporting the week's work in two or three brief paragraphs seems to offer the student an excellent opportunity to improve in written English. The following paragraphs were received under the date of May 20th.

This week I spent three days working in the cow barn. The cows are groomed and the barn thoroughly cleaned of manure twice a day. We have one of the best systems of disposing of manure that can be found anywhere. The manure is taken to a special pit and then removed to the fields. This system is very sanitary and reduces the danger of disease to a minimum. I believe that this farm is one of the finest in the county and I certainly do appreciate the opportunity to work here this summer.

D. I. '40

During the past week I did more work than usual. In my bee project I introduced Queens and took off the tops of eighty-seven packages; closed and nailed the entrances so that the bees could not get out. Three of these were mine so that I now have a total of five hives. I have put additional supers into my two wintered over colonies.

J. K. '38

Wednesday—Started a collection of all the new and unfamiliar garden annuals for the trial bed of the Falmouth Garden Club. Packed Mayflowers for shipment. Transferred the remaining Campanulas from the frame to the beds. Shifted annual seedlings from Greenhouse to the frames. Fumigated with tobacco.

A. T. '38

We still have much work to be done. Mr. F. is planning to plant field corn and millet for the cows. He has already sown rye. Today it rained hard and we cleaned the barn, milk room and tool room. In the afternoon we washed evaporating pans at the sugar house. We also repaired, oiled and greased the manure spreader. I am getting along much better with milking.

W. F. '41

On May 17 the cows were put out to pasture. From Thursday on the cows were allowed to graze on a plot of Ladino Clover for about two hours daily. This is very good feed for cows.

On Monday and Tuesday mornings I helped load the manure spreader and between loads I cleaned out the barn and performed other small jobs. In the afternoon we were busy repairing fences. We plan to build a fence around a new plowed pasture field. In anticipation of this work I spent

HERE AND THERE

In the April issue of the Agricultural Education, a monthly magazine for teachers of vocational agriculture, appears an article on the Science program at Essex County Agricultural School by Instructor James F. Gallant. In addition to the article entitled "Science as the Handmaid of Agriculture", a picture of the Science exhibits appears on the front cover.

HALF WAY STAND

The fame of our Roadside Stand is spreading. We find a picture of the stand taken several years ago appearing in a recent book entitled "Today's Agriculture" published by J. B. Lippincott.

AMERICAN FARMER DEGREE

Has Massachusetts an American Farmer? The American Farmer grade is in the fourth and highest in the Future Farmer organization. It is awarded only at the National Convention and each state is good standing is entitled to at least one candidate. Massachusetts has been affiliated with the National Association since 1931 and should carefully survey its membership for an American Farmer candidate.

STUDENT NOTES

"Cliff" Nelson '38 of Methuen reports that they sold 111 broilers 14 weeks of age averaging 4.6 lbs. each. This was not a selected lot, as many had been sold previously. The Nelsons have already brooded 5000 Reds and are planning to brood some Barred Rocks this month.

Meyrle Shaw '38 is located with Walter Alley '37 on Mr. R. N. C. Barnes' farm in Andover. Meyrle's work is mainly with poultry and fruit, he and Walter are teaming up nicely.

The "G" men will be after Paul Parker '38 if he keeps on at his present bloodthirsty rate. Paul is killing poultry at a rate that bids fair to exterminate the species before the year is over.

Frank Story '38 knows how it feels to be eighty, at least he has been limping around since he jumped off a spray rig and injured his foot. However, this injury has not prevented Frank from doing a full schedule of work at Hardy's poultry farm in addition to brooding two lots of chicks on his own.

J. S. B.

Donald Haslam Williams '30, was married June 5, to Sarah Grace Odell at Baldwins Farm, West Stockbridge.

one afternoon hauling out fence posts from the middle of a swamp.

Next week we plan to cultivate, spray and plant squash.

A. C. '39

SUMMER PROJECT

Each girl is required to do home project work, a portion during the school year and the remaining during the summer. Project work must be carried out, if the student expects to qualify for promotion.

Project work is the carrying over of the material methods taught in school, to the home. However, the project work may be in a place of employment. Many of our girls are having employed work as their summer project, while other girls are working in their own home.

Some of these projects are very interesting to follow up. Everything that the girl does during the summer, has to be recorded and passed in to the school to be incorporated in the school records.

M. B.

MEMORIAL DAY PROGRAM

The Memorial Day program was conducted by members of the Senior Class. Margaret Spinney presided. The program opened with the Salute to the flag and the singing of America.

Margaret Spinney read "The Work of the Women during the Civil War". "My Old Kentucky Home" was sung by the school. Dorothy Edmonds read "The Last Pilot", Lilyan Dion read "Sheridan's Ride", Geraldine Gates read "A Balad of Heroes", next "Tenting Tonight" was sung. Ellen Pool then read "Betsey Ross and the Flag", Olive Purdy read "The Star Spangled Banner" and the program closed with the singing of "The Star Spangled Banner."

M. S.

ECHO CLUB

The last meeting of the season for the Echo Club was held, Thursday, June 2 when Mrs. Thomas Rudkin was the guest speaker. Dorothy Doerr, vice-president of the club presided and introduced Mrs. Rudkin who spoke on the subject of "Zest for Living".

Mrs. Rudkin gave many examples of people who have had a zest for living and the success they have had in their chosen work. To give praise, many times gives the person receiving it an incentive to go on and do better work.

A rising vote of thanks was given Mrs. Rudkin for her splendid talk.

ALUMNI WEDDINGS

Madolyn Darling '31, daughter of Mr. and Mrs. Joseph Darling of Beverly was united in marriage Sunday, May 28, to Albert Plummer Davis son of Mr. and Mrs. Theodore L. Davis of Needham. Following a wedding trip to Maine they will reside in Arlington, Virginia.

Edith Stevens '37, daughter of Mr. and Mrs. Lewis Stevens of Beverly, was married in April to Harry Sammonds, Jr., son of Mr. and Mrs. Harry Sammonds of Beverly. They are now living in Cambridge.

THE BLACK WIDOW SPIDER

Many people, especially those with young children, are greatly concerned about that much publicized spider, the Black Widow Spider. It is true that this kind of spider has a bad reputation and it is likewise true that it is dangerous. However, there is no occasion for alarm as Black Widows are not very numerous in Massachusetts. Furthermore the bite, which results in excruciating pain has never been known to kill a healthy adult human.

These spiders get their name because the female has the nasty maritidal habit of killing and eating the male after mating. The adult Black Widow female has a body $\frac{1}{2}$ inch long, slender legs and a large, almost spherical abdomen which closely resembles a black shoe button. On the underside of the abdomen is the characteristic hour-glass shaped red spot. In June or July the female will make 3 or 4 egg cocoons.

The newly hatched young feed on each other and in a few weeks the survivors emerge from the egg cocoon and begin eating spiders, insects and other small animals. Mating occurs in the fall and the females winter over, if they are lucky enough to survive our cold winters. In its natural habitat the Black Widow spider is found with its web and egg sacs in protected darkened locations, such as vacated rodent burrows, under stones, logs, and long grass, in hollow stumps and brush piles. It takes up its abode in man-made structures ranging from the out-door privy to and including cellars, garages, hen house, barns, pump houses, and the home. The females and immature individuals are found most commonly in corners or in such locations as afford both protection and support for the web.

As a rule the females are not aggressive unless agitated or exceedingly hungry. When guarding the egg sac the female, if disturbed, is particularly prone to bite. When bitten by the Black Widow Spider, the patient should be treated by local antiseptics, such as tincture of Iodine, at the point of injury to prevent secondary infection, kept as quiet as possible and a physician summoned at once.

James G. Gallant

Light laundering of summer clothes before they become very soiled helps to prolong the life of the cloth.

No item is more important in the successful strawberry plantation than thorough cultivation of the soil. This should start immediately after the plants are set and should be continued right up until cold weather checks the growth of the plants. The frequency of cultivation will depend somewhat on the soil, but cultivation should be practiced after every rain to conserve the supply of moisture.

THE TAPEWORM MENACE

Poultrymen living in Massachusetts have enjoyed relative freedom from the tapeworm pest so far. Their fellow poultrymen in New Jersey and Pennsylvania have been less fortunate in this respect and unless the local man is on his toes, he may find himself in the same unenviable position. How would you enjoy, Mr. Poultryman, having to raise your chickens in confinement behind fly screening? This step has been necessary in some poultry centers further south and unless care and reasonable sanitary methods are followed, we may find ourselves contending with an additional problem.

The tapeworm has shown itself in Massachusetts enough so that we have to recognize its presence. Unfortunately, he is not battled with the same ease as his friend the round worm. Mr. Tapeworm imbeds his head solidly in the intestinal wall of his host and if part of his segmented body breaks away, a new part grows on. Furthermore, no known drug or treatment that is safe to use is known that will completely remove the tapeworm. His continued presence means unthrifty chix and loss of weight of mature birds and goodness knows what other disease problems may be associated with his spread. In fact, coccidiosis would be a pleasure in comparison with a real tapeworm problem.

As most of you know, the ordinary fly is the common intermediate host of the tapeworm and most satisfactory control is through that channel. Hot weather brings flies, filth brings flies, moisture brings flies. Not much can be done about hot weather, but the other factors can be worked on. The writer is of the opinion that the practice frequently followed of allowing litter to remain indefinitely in the brooder house as long as it remains dry, regardless of the number of birds and the accumulated droppings, may act as a boomerang in breeding flies. The poultryman must use his own judgment as to the advisability of his birds living in filth or in spite of filth.

Where manure has to accumulate in the base of shelters or in pits or on dropping boards in the laying house, a frequent application of superphosphate will help to keep flies down. Screening the manure shed with fly screening and covering outside manure piles are further good protection steps. Still another very practical method that has worked well at the Essex County Agricultural school is the practice of using the sticky spiral fly catchers. These may be bought in lots of 100 for a nominal sum and may be looped between the rafters in shelters or over pits and droppings boards by driving a nail through one end. In this way the coils are out of reach of the birds and yet are in the midst of the "fly territory".

GARDEN CHAT

Authorities have said that radishes have been grown on all types of soil and that they can be grown with very little difficulty. Good radishes are hard to grow, sometimes because they have been completely riddled with maggot damage. Such has been the case at the Essex County Agricultural School Market Garden. This year radishes were treated with corrosive sublimate—some were treated once and others were treated a second time. Fancy radish were pulled from the rows treated twice with corrosive sublimate (1 oz. per 10 gals. of water) poured right along the row. Slight damage was noted in the radish treated once but even at that they were much better than those not treated at all.

Onions grown from sets can be pulled as bunching onions and fill the needs of onions in salads, etc. at this time of the year.

The month of May furnished excellent weather for the growing of cool crops such as spinach, lettuce, cabbage, etc. but the weather was extremely hard on the warm crop vegetables such as beans, tomatoes and squash. With the warmer weather and more sunshine in early June, the warm crop vegetables greened up and looked more promising. In other words with the more seasonable weather the bacteria began to work more and thereby aided in the breakdown of plant food into forms which were readily dissolved in the soil moisture and became available for the needs of the plants.

It is time to plant your late crop of carrots to be stored for next winter's needs. The Hutchinson type of carrot should be planted by the 25th of June. Shorter varieties such as Chantenay or Nantes might be planted by July 5th. Late crop of beets should be planted July 1st to 10th.

Trellis or staked tomatoes should be done over weekly and all sucker growth should be removed so that food will go into fruit development and not into vine growth. If your tomatoes are planted on land that is not very retentive of moisture, don't wait till dry weather comes but supply water weekly and thereby avoid bad cracking and blossom end rot later on in the season. This suggestion is primarily for trellis varieties. Another factor that might help your moisture needs for tomatoes is mulching. By mulching, the moisture will be retained in the soil and be supplied more evenly. Apply a two or three inch covering of marsh hay or rye straw over the ground about the plants.

C. M. Stearns

Remember to replace coils that get dry and remember that the fly caught in June is worth dozens caught in September! Do not over look this inexpensive and satisfactory practice.
J. Stanley Bennett

HOW TO COMBAT MOTHS

This is the season of the year when housewives observe moth damage. The moths or millers have appeared and these may be seen in infested houses all during the summer months.

Preventing damage by mechanical means is a matter of routine in many homes. First, and most important of all, thoroughly clean out all closets, drawers, chests, boxes, air registers or other places where food for these insects may occur, keeping in mind that cracks filled with dust and lint form excellent breeding places. A good crackfiller, placed in cracks in floors, boxes and other storage places will prove helpful. Any paint store can supply such a filler.

Clothing and household furnishings subject to attack should be brushed well once a year and hung out of doors for a few hours in bright sunshine when the temperature is high. It is important that unused articles on which these insects might feed be stored in moth proof containers (as nearly air tight as possible) and very carefully examined at least once a year. If the articles are taken out of storage, the storage space, whether it be a closet, drawer or trunk should be thoroughly cleaned, and if possible washed in soap suds. Remember that lint and like material left in cracks or openings in the container serve as food for the young of clothes moth.

Chemicals may be used in two distinctly different ways in controlling clothes moths: (1) Chemicals, such as naphthalene and paradichlorobenzene, may be placed in the storage container with the materials to be protected; or (2) fabrics may be impregnated with the chemicals to prevent attack by these insects.

Naphthalene or paradichlorobenzene in generous quantities will protect stored articles from clothes moths, and can be purchased from any department, drug or hardware store.

To be effective, either naphthalene or paradichlorobenzene should be used at the rate of 1 pound for each 15 to 20 cubic feet of space. At this rate either material will give complete protection if applied according to directions. To protect articles stored in tight chests or trunks, the chemical should be applied at least once a year. For closets which are frequently opened, two applications a year may be needed.

Mothproofing is an example of impregnating fabrics with chemicals to prevent attacks by clothes moths. At the present time a number of patented mothproofing materials are sold. Some of these have been thoroughly tested and can be depended upon to be effective for a considerable time. Few of them, however, will last more than a year or will withstand one or two dry cleanings. They must be taken on the guarantee of

(Continued on col. 3)

AUGUST 1 LAST DATE
TO ENROLL

August 1 has been set as the closing date for Massachusetts farmers to enroll in the 1938 Agricultural Conservation Program, according to Sumner R. Parker, state executive officer. After that date the state committee will approve applications only for such reason as the purchase of a farm after August 1 or other similar valid reason.

Mr. Parker said that on May 1, the latest date for which figures are available, the enrollment in Massachusetts was about fifty percent ahead of last year.

Farmers who were not in the program last year and would like to enroll for 1938 should communicate with a member of the county committee or with their county conservation agent.

The Essex County committee is Melville G. Grey, Wenhams; Harry Cole, West Buxford; and Joseph Smith of Lynnfield; Charles S. Moxley of North Andover is the County Conservation Agent, with office at Essex Aggie.

SUMMER CANNING PROJECT

The first meeting of those who are to be members of the Essex County Homemaking Part Time Summer School will meet at Essex Aggie on June 23 when Mrs. Viola Shute, teacher of the course of Food Preservation, will outline the work for the coming weeks.

There is a fee of one dollar for the course which will be one day a week at the school and there will be visitation of home project work during the season, by Mrs. Shute.

The fruits and vegetables canned at the school will be the property of the school, while those canned in the homes will be the property of the one canning.

Instruction will cover fruits, vegetables and meats. It is hoped that time will permit instruction in pickling, jelly and jam making and other work.

Further information may be received by applying to the School.

American agriculture is now said to use more machinery than any other industry in this country.

Eggs are an important source of iron. They also contain calcium, sulphur, and phosphorus in goodly amounts. Probably no single article of food can be used in a greater number of dishes.

The soy bean is used to make macaroni, milk, soap, feed, fertilizer, enamels, varnish, linoleum, printing ink, celluloid, and lubricating oil.

The young leaves of spinach were used raw in salad in the days of Queen Elizabeth.

4-H CLUB NOTES

The annual food and dress contest was held Saturday, May 23 at Essex Aggie, with warm breezes and sunny skies to make the day a perfect one for all who attended. County Club Agent Horace J. Shute was in charge of the day with Miss Elizabeth Bourne, Club Agent from Rockingham County, New Hampshire, Miss Marion Forbes of State College and Miss Edna Rundquist, Home Economics teacher from Gloucester, the judges in clothing and Miss Tina Bishop of State College had charge of judging the foods.

Clothing winners were: Excellent, Doris Albrecht, Jean Kennedy, Dorothy Noring of North Andover; Margorie Crosbie, Adelaide Webb, Lillian Lovely and Edna Bendroth of Andover; Marilyn Osgood, Danvers; Rose Biodini, Concertina Kerraris and Ethel Kassaris of Beverly; Thelma Milnes, Eleanor Moore, Groveland; Grace Raimey, Barbara Lumb, Methuen; Shirley Lister, Methuen; Arlene Dozier, Swampscott and Phyllis Clark of Danvers.

Foods winners were: Dorothy McDonough and Audrey Boisvert of Beverly.

Foods Posters: Audrey Boisvert and Anita Grey of Beverly.

Food Notebooks: Audrey Boisvert.

REPRESENTED COUNTY AT
STATE CONTEST

Those chosen from the many winners in the County Contest to go to Amherst June 4, to compete at the State Contest were: Grace Raimey, Thelma Milnes, Adelaide Webb and Bertha Rosum in the Dress contest.

MISS PARKER IS HONORED

The 4-H Clubs of Beverly honored Miss Marion Parker who has been the leader of the various clubs in that city for the past twenty years.

At the last meeting of the classes in May, they paid tribute to Miss Parker by singing a song which Dorothy McDonough had written to the tune of "Mother". It goes as follows: P is for the patience that she has, A is for her actions we all know, R is for the right she's always taught us, K is for the kindness in her heart, E means everything she's done to help us, R means real and regular you see Put them all together they spell Parker, a word means leader to me.

(Continued from col. 1)

the company selling them. The purchaser should, in so far as possible, select materials known to be made by dependable concerns and should insist on a written guarantee of their claims. The directions of the manufacturer should be carefully followed.

Dedication of Bauer Field ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., JULY, 1938

NO. 7

On The Campus

As we went to print last month we were in the midst of the closing of the Homemaking department and Better Homes Day. Both were ideal days as far as weather and attendance were concerned. The programs were most interesting and all who attended carried home many new ideas in cooking and in fact all lines of house work.

On Parents' Day there was another group meeting on the campus. This was the Northeastern regional meeting of the Massachusetts Federation of Garden Clubs. Mrs. Gustave Daigneault Regional Vice-President was general chairman.

Mr. Seth Kelsey was their speaker and plauted a perennial border. The various clubs brought window boxes which were judged, Danvers Club won first prize and the Salem Club second.

The ladies enjoyed a basket lunch on campus and in the afternoon visited gardens in Topsfield.

JUNE GARDEN SHOW

The Second Annual Garden Show was held on June 21 and 22 in the Floriculture building with the Junior Girls and the Floriculture club assisting.

Edith Sharp of Methuen was the chairman and show manager, Grace Rainey, clerk. Those who served on the various committees were: Patricia Sheehy, Mary Anderson, Marie Jacques, Frances Gangi, Dorothy Savage, Olive St. Pierre, Ruth Savage, Mildred Burke, Lois Archambault, Wyota Purington, Ada Marsland, Eleanor Noone, Helen Moore, Athalie Adams, Edith Skidmore, Edith McIntyre, Helen Lambert, Lucy Grover, and Williamena Smolak.

The judges were Mrs. Charles H. Haddrell of Clifton, Elmer Young of Methuen a former student at the school and Palmer Perley of Rowley and a graduate of the school class of '27.

ANNUAL FIELD DAY

AUGUST 3

WALTHAM FIELD STATION

New Assistant County Club Agent

At a meeting of the Board of Trustees of the School held on June 21, the Trustees appointed Miss Helen A. Walker of North Andover, as Assistant 4-H Club Agent.

Miss Walker was one of the large number of well qualified candidates. She is a graduate of the State Teachers' College at Framingham, where she has specialized in home economics, with special emphasis on the study of foods, clothing, canning, and home nursing. During her college career she held a prominent place in home economics work, the musical club, and the various sports.

Miss Walker comes to us after having had a long experience as a member and later in local club work. She has been the winner of many prizes and other tokens of her proficiency in the field which she is now making permanent work. She will take up her work in August.

THE KID SHOW

Much interest is being shown in the Kid Show which will be on Sunday, July 17, which is after we go to print, but before you receive this paper.

This will be the second annual show held under the sponsorship of the Essex County Milk Goat Breeders Association. E. Wesley Edmands, Jr. of Wakefield, former president of the association and member of the executive committee will be in charge. Miss Mary L. Farley of Sherborn, secretary of the Massachusetts Council of Milk Goat Breeders association will act as judge. Miss Farley has done considerable work with goats and has raised some fine animals.

Anyone may exhibit the only restriction will be no buck kids are to be exhibited.

Some of those planning to exhibit are Mr. V. Byron Bennett who will show his Anglo-Nubians. These were prize winners in the recent show held at Avon where 92 animals were shown.

Mr. C. S. Thomas of Essex will show his Toggenburg kids; Mr. Edmands will have his Saanens, while Mrs. Esther Hayward of Franklin will exhibit some Alpines.

Robert O. Small

Those at Essex Aggie join with the many others in the State congratulating Robert O. Small upon the completion of 25 years with the State Department of Education as Director of Vocational Schools.

Robert Orange Small was born in Andover, Maine, educated in the New York City Grammar schools, graduated from the Berlin, New Hampshire High School and from Bowdoin College class of 1896. While a student there was elected to the Phi Beta Kappa and the winner of a number of prizes and Ivy Day orator. He did post graduate work at Hyannis, Mass., summer school specializing in Industrial lines.

Mr. Small was principal of the High school in Brewster, Mass., for a year and then went to Groveland as principal of the High School there. Following a year at Groveland he went to Alameda University Academy, Alameda, California as instructor. This was a fitting school for the University of California and Leland Stanford University.

In 1903 he was Superintendent of Schools in Grafton, Mass., leaving there in 1910 to become Superintendent of Schools in Beverly, from which he went to the State Department of Education.

Mr. Small is a past president of the Worcester County Superintendents association and also of the Massachusetts Superintendents association. In 1934 at the first convention of the Massachusetts Vocational Association, he was given a Life Membership in the American Vocational Association.

HONORS TO JOHN D. FRANCOUER

John D. Francoeur of Lynn and a Senior at Essex Aggie, won second prize in the Essay contest held this spring by the Eastern States Livestock Loss Prevention Association.

Essays entitled "Preventing Livestock Losses" were submitted by students of Vocational Schools in the State. Francoeur will be awarded his prize at one of the sessions of Farm and Home Week the latter part of this month at Mass. State College, Amherst.

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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CALENDAR

July 26-29—Farm and Home Week
at State College.
July 30—Essex County Selectmen's
Club Outing at Essex Aggmen.
August 8—F. F. A. Project Tour.
September 6—School re-opens.
Sept. 7-11—Topsfield Fair.
Sept. 18-24—Eastern States Exposi-
tion.
October 1—25th Anniversary of Es-
sex Aggie.

CALL TO ALUMNI

Plans for the twenty-fifth anniver-
sary of the opening of Essex Aggie
to be held on Saturday, October first,
are going a bit slowly at present be-
cause of vacations.

You are all asked to be a commit-
tee of one to pass the word along
during the next few weeks that there
will be a celebration and all are ex-
pected back for that day of days in
the history of the School.

The new athletic field, named by
the Alumni, "Bauer Field," will be
appropriately dedicated that day.

Plan to come and renew those
friendships of yesteryear, and see
how the School has grown in these
twenty-five years.

A most cordial welcome awaits you.

M. R. T.

ALUMNI NOTES

Kenneth Snell '34 is employed at
the Cass farm in Topsfield.

James Skinner '23 was a recent
visitor at the School.

Charles Clinch '36 is now employed
in the farm department of the Dan-
vers State Hospital.

Albert Doggart '33 is employed by
Heinrich Rohrbach in the Landscape
business.

Nathaniel Trow '25, formerly of
Beverly is now employed by the State
of New Hampshire Forestry Service.
He is stationed at Stratham Hill.

The following three graduates of
Essex Aggie have recently accepted
appointments to the Vegetable and
Field Crops committee of the Es-
sex County Fair; Evan Roberts '24
of Wenham; Ernest Thayer '35, of
Danvers; and Maynard Tucker '20
of Gloucester.

PARENTS' DAY DEMONSTRATION

On Parents' Day three of the se-
nior girls, Margaret Spinney and El-
len Pool of Saugus and Hazel Mason
of Salem, gave a most interesting
demonstration on making bread and
different things that could be made
from the bread dough. It is interest-
ing to see what one can do with some
dough, a twist and a turn and there
you have a most interesting biscuit.

On display there was a loaf of
bread, tea roll and biscuits in various
sizes and shapes. The biscuits were
covered with milk and egg to make
them brown. Some were sprinkled
with cinnamon and sugar, the tea roll
was attractively frosted.

The girls that gave the demon-
stration very willingly answered the
questions that the interested people
asked. Many suggestions were given
by the girls how to make bread in
a quick way. This is valuable to the
busy housewife of today.

The recipe that they used was:

Parker House Rolls—
1 cup scalded milk
1½ tablespoon butter
1 tablespoon sugar
3 cups flour
1 teaspoon salt
1½ yeast cake
dissolved in ¼ cup luke warm water.

Add butter, sugar and salt to the
scalded milk, when luke warm add
dissolved yeast cakes and 1½ cup
flour. Blend thoroughly and let rise
until light, cut down and add enough
flour to knead.

Let rise again, knead and make in-
to different shapes.

All this yeast does not have to be
used if you have plenty of time in
which to make it. This merely quick-
ens the process and at school it is
necessary for us to do this.

Hazel Mason '38

WET WEATHER AND APPLE SCAB

Mr. Whitcomb of the Waltham
Field Station reports that because of
the extensive rains of the past month

A LETTER OF INTEREST

Last month a letter of interest was
received at the school from Phil Pea-
body of the class of '22. At present
he is manager of the Ideal Farms,
Kane, Pennsylvania.

Since graduating he has continued
in the dairy business, having been
at Ideal Farms for the past four
years. He says "We have a pretty
nice layout here at the Ideal Farms.
We run about 90 head of pure bred
Guernseys, have about 55 milking
cows that average on two time cow
test records close to 400 lbs., butter
fat. We bottle and deliver 600 quarts
of low bacteria milk at a premium
price. We can generally keep our
cows below 5000 on a bottle of milk
taken from the truck after it has
been on the road eight hours. This
of course is raw milk, put out under
pretty strict inspection of the Golden
Guernsey people. We have three well
bred bulls that are starting to give
some good looking calves. We hope
when the young stock from these
bulls freshen that we will increase
our butterfat average considerable."

In closing he said "if any of our
fellows are ever out this way let
them stop in and look us over. I
would like to see some of the
boys from the school. I would like
to hear from some of the boys."

CARPENTER ANTS

A nest of Carpenter Ants was re-
cently discovered in a two family
dwelling house in Lynn. It was found
that the studs supporting the front
door casing were badly damaged as a
result of the many galleries con-
structed by these ants.

The ants were destroyed with a
Rotenone preparation, the damaged
studding was replaced and sodium
flouride was sprinkled around before
the boards were nailed on again.

Naturally the owner was quite
concerned, how ever there was actual-
ly little reason for undue alarm. Un-
like the Termite, an infestation of
Carpenter Ants, although bothersome,
is seldom very serious.

The Carpenter Ant is a big black
fellow and is usually found in old
trees, stumps and posts, occasionally
in houses. Galleries are constructed
and in these the eggs are laid and
the young reared in a very social at-
mosphere. The ants do not feed on
the wood. They are omniverous, their
chief food being the remains of dead
animal life.

If fence, porch and clothesline posts
are suitably creosoted, the dan-
ger of Carpenter Ant infestation is
greatly lessened. Furthermore, such
a treatment tends to prevent decay
and the life of the post is greatly
lengthened.

James F. Gallant

there is much apple scab and this
should be treated immediately.

He also reports that the Apple
Maggot Fly is out eight days ahead
of schedule.

SUMMER PROJECTS FOR GIRLS

The girls in the Homemaking department of the School are required to have projects during the vacation. Many of them have home projects while others are on employed projects.

This summer approximately one-half of the girls are on employed projects. Three girls are employed as cooks in Y. W. C. A. camps, one in New Hampshire and the others in Lancaster. One girl is assistant to the cook in the Essex County Health Camp in Middleton, while another is assistant to the cook at the Denison camp in Georgetown.

There are two girls in the serving room at the Salem hospital and one is substituting as a waitress in the Melrose Hospital, with another as second cook at the same hospital.

Two girls are assistants in diet kitchens, one at the Anna Jacques hospital in Newburyport while the other is at the Essex County Tuberculosis Sanatorium in Middleton.

Five girls have been placed in permanent positions as household assistants. Five others are working as waitresses in tea-room or hotels not only in Massachusetts but also in Maine and New Hampshire. Another is an assistant in a tea-room in Newbury and two are salad-sandwich girls one in Andover and one in Methuen.

Although most of the girls this summer are employed in positions related to Foods work, there are two who are working in fur shops in related clothing work.

The rest of the girls have elected to do related projects at home. One plans to lead a 4-H group in Interior Decoration. Two girls are planning to redecorate one or more rooms in the homes.

Another plans to take entire care of her younger sister during a tonsil and adenoid operation. Several girls are taking the canning course offered here at the school.

Many of the girls who at present are at home working on projects will be placed on employed projects during the summer. As this is part of their training while here at the school they will pass in records showing a record of the work accomplished by them on their projects during the summer. For this they will receive credits.

It is through this summer project work that they have a chance to practice the methods that they are taught in the school room. They are on their own to a certain extent. They have to meet situations and gain much valuable experience, yet they have supervision once a week from a member of the school faculty.

A. J. S.

PARENTS' DAY

The assembly hall was filled to capacity on the afternoon of Parents' Day for the program. Mrs. Frank Sanborn of Cambridge gave a most interesting lecture on "The American Home of Long Ago".

Wearing costumes of the time of her great-grandmother, grandmother and mother, she told many stories of actual happenings in these eras of our state. Mrs. Sanborn had with her many trinkets and household articles from the homes of these women.

The audience was brought up to modern times with the fashion show which followed the talk. This was given by the students modeling the dresses that they had made during the school year. Clever and original verses to introduce each group were written by Dorothy Doerr and read by Virginia Donovan.

During the noon hour there were demonstrations in all the rooms of various things that the girls have studied during the year. In Miss Lovett's room, Mildred Burke, Ruby Savage and Willamena Smolak, tested fabrics.

Miss Harris' room, Ruth Poland and Grace Mann demonstrated how to make draperies.

Miss Clarke's room: Edith Skidmore, June Argersea, Eleanor Taylor and Mary Makklæe showed library practice as used at school and books were on display.

Mrs. Clapp's room: Edith Campbell and Elsa Ljunggren demonstrated applique.

In Mrs. Roundy's room, Gertrude Hennessey and Virginia Donovan demonstrated how to change a bed with the patient in it. Carolyn Walker and Frances Woodhouse demonstrated the use of first aid bandages and Olive Judge and Marilyn Peabody showed how to manicure.

In Miss McDunkin's room, Grace Raimsey and Edith Sharp showed how to smock children's dresses, while in Miss Bates' room Lois Archambault, Ada Marsland and Eleanor Noone were designing, cutting and stamping with block prints.

In Mrs. Butman's room: Mary Anderson, Athalie Adams, Alma Moore and Louise Leach demonstrated the making of Swedish press cookies, apple pie, cold cream and the making of laundry soap.

Miss Emerson's room: the girls demonstrated making of bread and rolls.

The girls from Mrs. Dunn's room and practically all the girls in the school were in the fashion parade.

CONGRATULATIONS TO MISS BATES

Miss Louise Bates who was Apprentice teacher at Essex Aggie the past year has been appointed to Home Economics department of the Beverly High School, Beverly, Mass.

Miss Bates will be missed, but we are in hopes she will come and call, being a neighbor.

GARDEN CHAT

Excellent growing weather for most crops is making conditions more favorable for insects and diseases. Have you ever noticed how children, yes, grown-ups too, enjoy eating food that is tender and soft. Well, insects and diseases seem to enjoy similar conditions. Aphid damage this season is most heavy and every effort possible should be made to reduce them. Use some form of nicotine or rotonone according to directions on the package.

Mosaic on the vine crops, squash, cukes and pumpkins, seems to be serious. A small dose of nitrate about each plant may help to cause the plants to grow out of the disease. If soil is low in potash some should be added with the nitrate. Even though the soil received a good application of manure this spring, due to the cool weather, the organics have not broken down as well as they should have and therefore the nitrates are scarce and plant growth has been retarded. If your vines are showing a yellowish mottling you may expect it to be mosaic. Control your beetles and other insects as well as possible to prevent its spread.

Several severe cases of early blight have been drawn to my attention on tomatoes. For the young plants, spraying of 2-2-50 Bordeaux should be practiced every ten days and as the plants get larger increase to 4-4-50. Keep plants well sprayed with Bordeaux for blight. This holds true, also, for potatoes, celery, egg plants, etc., where blight is generally a serious disease.

Have you heard or read about some variety of vegetable being much better than what you have been growing. Why not visit the School garden and see for yourself what some of the newer varieties look like. Perhaps the quality and growing habits are much better than the old variety you have been growing for years.

The Annual Field Day of the Massachusetts State College on August 3rd would well be worth your time. Why not plan to visit, with your friends, the Waltham Experiment Station trial plots and demonstrations that day. Everyone interested in the growing of plants will find something of interest to see that day.

C. M. Stearns

NEW BULLETINS

There is a new bulletin out which may be of interest to many, Mass. Experiment Station: Bulletin No. 351—"Germination of seeds and damping-off and growth of seedlings of Ornamental plants as affected by soil treatments", by William L. Doran.

If you are interested in Eggs in the diet, there is a new leaflet out by the New England Fresh Egg Institute, 261 Washington Street, Malden, Mass. They will be glad to send you a copy, if you write them.

COUNTY AGENT NOTES

Prof. A. I. Bourne of the Massachusetts State College, secured parasites from the Connecticut laboratory for the following peach growers of Essex County: Daniel Lunt of Newbury; Charles Reed, West Newbury; Charles Tucker and George Rea of North Andover; James Downing, Andover and George Harney of the Redwing Orchard, Lynnfield. Thus far these parasites are the only known means of combatting the Oriental Peach Moth.

European Corn Borer eggs were discovered in Essex County June 21. Prof. Dayton was here June 16, but we could find none of these eggs although they were found at Waltham the week before. So there will be four to five dusts (one a week) applied to early sweet corn by Ellery Metcalf, Saugus; C. M. Stearns of the Agricultural School; Richard Higgins, Marblehead and Mary Curtis of Hamilton. Let's watch for results.

Dairymen around here are objecting to the Federal Order. Vegetable growers are kicking about the prices of vegetables. Fruit growers are worrying about their set of apples, etc., etc., etc. But—

One farmer the other day said he was not kicking, he has 15 Milch cows, a nice young orchard and a big market garden business. Perhaps because he has diversified he does not feel the depression like the others.

Do you realize that 63% of Essex County farmers have only one enterprise? You know numerous farmers who grow only vegetables, or others who just keep cows; 26% of the Essex County farmers have two enterprises; 9% three and but 2% have over three enterprises on their farm.

Might it not be worthwhile considering to balance cash crops, dairying, vegetable with fruit?

Francis C. Smith

F. F. A. NOTES

Members of the Essex Chapter who can possibly spare the time should plan to join one of the groups coming to the School on August 8, for a late afternoon and evening recreational period.

Plans are being made to have members meet instructors at certain farms in the county and after visiting one or two projects, meet at the school at 4 P. M. Members employed at the school will be hosts and guides, explaining the work being carried on at the school.

A weenie roast supper at the new athletic field followed by baseball and other sports are planned for the evening. Parents and employers are cordially invited to attend. This tour is part of the Vocational Improvement committees work.

Lytton, Iowa, Chapter On Tour

A group of nine students accompanied by Instructor Ralph Gruenwald of Lytton, Iowa visited the school

FRESH FOOD FACTS

With the warm days here, everyone tries to be out doors as much as possible, but there is still the question of what to eat.

Eggs seem to be the answer to that question as the one major rule to remember in cooking eggs is "Use as little heat as possible."

They may be used not only as a main dish, scrambled and served on toast, or in a salad, or in many other ways. Then they may be used to make a custard for dessert, or any number of puddings.

A popular summer beverage is eggnog. This may be made with milk or fruit juices. Many people avoid drinking milk thinking it causes excessive avoirdupois. Ordinarily milk can not be honestly blamed for this. Cakes, candies, sugar and sweet drinks are usually responsible for the extra plumpness.

The National Dairy Council suggests a milk beverage made of $\frac{1}{4}$ cup of orange juice, $\frac{3}{4}$ cup of milk, a little sugar—all blended together with the egg beater. Another suggestion is 1-3 cup of crushed strawberries (you may prefer them put through a fine sieve) beaten with $1\frac{1}{2}$ cups of milk and a little sugar. That makes enough for two servings. Or you may have your own flavor ideas, perhaps raspberry, chocolate or maple syrups. But if you would keep down the calories, you'll go easy on sweet flavorings and use sugar sparingly.

Eggnog recipes usually follow this pattern. One egg, a cup of milk, a teaspoonful or two of sugar, a few grains of salt, a little vanilla or other flavoring. Add to the beaten egg the sugar, salt, milk, and flavoring and mix well.

Surprise and delight your bridge or luncheon guests. Serve something different and appetizing—wholesome milk drinks. A couple of quarts of milk and some raspberries are relatively inexpensive refreshment.

Milk and milk drinks are always good taste.

on June 21. The boys are members of the Lytton Chapter F. F. A. and are making a circuit of the Eastern States studying farming conditions and visiting points of interest enroute. F. F. A. Advisor J. E. Eastwood of the Essex Chapter escorted the group about the grounds explaining the work as carried on at this school.

Before returning home the Iowa group will visit New York, Philadelphia and Washington, D. C.

Mapleton, Maine F. F. A.

Another F. F. A. group from Mapleton, Aroostock County, Maine visited the school on June 14-15, stopping over night on the school grounds. There were five young men including the President, Vice-Presi-

4-H GOES TO CAMP

July is the Camping month for 4-H Club members and the following were at the Conservation Camp from July 5 to 12: Audrey Boisvert, Bertha Rosum and Dorothy McDonough all of Beverly; Frank Noyes, Ernest George of Georgetown and Robert Crosby of Andover.

Those attending the Junior Leaders Camp July 14 to 21 were County Leader Horace J. Shute; Ruth Durkee, Danvers; Eleanor Reed, Saugus; Marjorie Crosby, Adelaide Webb and Priscilla Glines of Andover.

The Local Leaders Camp will be held from July 22 to 28, Mrs. Leon Jordan, and Miss Nancy Ordway of Groveland; Miss Frances Hartman and Mrs. G. Richard Abbott of Andover; Mrs. Mary B. Pettingill and Mrs. Mary Webb, Danvers; Mrs. Mary E. Peatman, Ballardvale; Mrs. Albert Walker, Lawrence and Mrs. Joseph Crofts of Danvers will attend this Camp.

Special awards have been made recently to the following: Doris Albrecht of North Andover as State Music Delegate; State Music award to Leader Marjorie Loveys of Danvers; State Caning delegate, Hannah Hay of Lawrence. Blue Ribbon winner in State Dress contest, Thelma Milnes of Groveland and blue ribbon winner in State Food contest to Aubrey Boisvert of Beverly.

WHO IS TO GET THE HOME FARM?

This question comes up for discussion when the owner passes on. Is it possible to transfer the farm to the next generation without penalizing either the farm or the heirs?

I know a young man who is doing a wonderful job operating the home farm. He has increased its value, built up an excellent set of buildings and equipment and increased the size of the acreage and the fertility of the soil. He has a good education and is doing a good job.

But, he has no agreement with his father.

His brother and sister could and probably would claim a third interest in this farm now, if anything happened to the father.

This young man has some years of achievement to his credit and should receive the benefit of the increase.

County Agent Francis C. Smith has an article dealing with this topic. If you are interested in knowing what is best to do, write him, at Hathorne, Mass.

dent and Reporter of the Chapter, Herman Lamoreau. After inspecting the school, Director Smith, Instructors Stearns and Dacy conducted the group to nearby market gardens where crops were studied.

Dedication of Bauer Field ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., AUGUST, 1938

NO. 8

Seeding To Harvest

Through years of routine work in vegetable production an experienced market gardener gains by observation a body of knowledge concerning the relation to his crops of each season's variation in rain, temperature, sunlight, etc. The only short cut to this fundamental knowledge for one learning the vegetable production business is by purposeful observation of the seasonal effects on each crop from seed time to harvest and the accurate recording of ones observations in a simple understandable organized form.

The writer submits herewith a few of the many recorded observations from his personal 1938 crop record. To the experienced gardener the reasons for certain wide variations will be plain. To the amateur some real thought may be encouraged to explain the differences noted. Five crops had not reached the harvest stage at time of writing. The last planting recorded of beans and beets is a clear gamble but present weather conditions have started them at a high speed toward maturity.

Beets		
Date Planted	Days to come up	No. Days Seeding to Harvest
Apr. 3	16	82
Apr. 12	13	70
May 7	14	62
May 24	8	68
July 3	7	
Aug. 1	6	
Spinach		
Mar. 26	17	57
Apr. 17	8	47
Apr. 29	8	44
Aug. 1	6	
Snap Beans		
May 16	14	56
June 2	8	55
July 4	7	
Aug. 2	5	

WARNING TO FARMERS AND HOMEOWNERS

Warning has been sent throughout the state of a new racket which apparently has been operating over a large part of the state. The sale of cheap compost material as high-grade "lawn fertilizer" and selling at five to ten times its actual worth.

The material is sold in bulk from trucks with New Jersey registration.

Poultry Houses

One very important summer job on the poultry farm is getting the laying house ready for pullets. There seems to be no standard practices in Massachusetts and a review of the bulletins from other states show varying recommendations.

The cleaning process should accomplish the following results: (1) Removal of manure and refuse. (2) Use of insecticides to destroy mites, worm eggs and similar parasites. (3) Use of disinfectants to destroy bacteria and other disease producing organisms.

All litter, nest material, dust from ceiling or roof and walls are first removed and hauled as far away from the laying house as possible. This material should not be piled on the soil near the poultry buildings. No disinfectant will be efficient in the presence of filth. Hoes, scrapers, putty knives, wire brushes are good but patience, thoroughness and "elbow grease" are most important.

After the dry cleaning of the interior of the house including all equipment, hot lye solutions have been very successfully used to clean and kill all living organisms. According to some experiments material removed from cracks was found free from all living matter. The recommendations from various experiment stations vary from one can of household lye (13 oz.) dissolved in from 5 to 50 gallons of hot water. One can in 10 gallons of boiling water is most commonly recommended. Rubber boots and rubber gloves will prevent injury to hands and clothing and an old fibre or metal broom is needed to spread the material over the surface to be cleaned. This material is very economical and effective. Rinse equipment and house with plenty of water.

Ceiling and walls and fixtures are allowed to dry and then should be sprayed with a pressure sprayer equipped with fifteen feet of hose and five feet of iron pipe. Sufficient pressure should be developed to produce a mist or fog rather than a large stream of water.

Stock dips or stable disinfectants which give the "Phenol Coefficient" on the label will be found effective, when used according to manufacturers directions. Phenol coefficients of 6 or above are more economical to buy, they will produce more gallons

(Continued on Page 4, col. 1)

Whippets Win 6-5

A lively game of baseball between the Whippets and the Red Skins, score 6-5 in favor of Capt. Balzarini's Whippets, terminated another successful F. F. A. project tour and picnic at the School, on Monday, August 8. With Director Smith, throwing out the first ball; the new school playground (Bauer Field) was used for the first time.

Battery for the Whippets were Capt. Balzarini, pitcher; Banks, catcher. For the Red Skins: Capt. Nicholson, pitch; Andrew Kelly, catcher. Hanglin allowed Scouller to bring in the winning run in the seven inning game. Mr. Cole, Camp Counsellor, refereed.

Project visits were made during the afternoon by several groups under instructor leadership and after arriving at the School the boys were conducted about the farm to inspect the work in progress.

At five-thirty Instructor Thurlow called the group to partake of boiled corn and weenies in true picnic style. About fifty members of the Essex Chapter responded to the call together with sixteen instructors including Director Smith, Mr. Mostrom, and Mr. Partridge.

This annual outing is part of the program of work of the Vocational Improvement committee of the Essex Chapter F. F. A.

ARE YOU PROUD OF YOUR LAWN?

Are you proud of your lawn? Now is the time to look, consider and decide to determine: The proportion of the lawn which consists of good turf grasses.

If the lawn shows a lack of nourishment.

If the lawn needs patching, or must be re-established.

The extent to which weeds have become established.

The extent of damage done by animal and insect pets.

We are suggesting that all lawn practices be based on the recommendations found in a bulletin on "Lawn Management" which you may have for the asking. Address your request to Essex County Agricultural School, Hathorne, Mass.

James F. Gallant

Essex Farmer and Homemaker

HATHORNE, MASS.

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the Essex County Agricultural School

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CALENDAR

Sept. 6—School re-opens.
Sept. 7-11—Topfield Fair
Sept. 18-24—Eastern States Ex-
position
October 1—25th Anniversary of Es-
sex Aggie
October 7, 8, 9—Fall Flower and
Garden Show at E. C. A. S.
November 12-16—Science Show at
E. C. A. S.
November 22—Graduation

THE NEW FIELD

Steady progress is being made on
the new field. The large bleachers
grandstand on the south side of the
field is now nearly completed and is
going to be a great addition to the
field. The various tracks and pits for
running, pole vaulting, shot put, run-
ning high jump, etc., are now ready
for use. The heavy turf is now assured
and it would seem that there will
be nothing standing in the way for
the dedication on October 1 and for
the opening of the field for full play
this fall as the new school year com-
mences.

COME BACK TO
ESSEX COUNTY
AGRICULTURAL SCHOOL
SATURDAY, OCTOBER 1

FIELD NOTES New Fruits

The fruit testing work is very al-
luring this year. The Catskill straw-
berries made their usual good re-
cord, standing out far and away be-
yond other varieties. Results from
the new raspberries were most un-
satisfactory. The continued rain caused
the crop to be nearly a complete
failure. We sympathize with ras-
pberry growers throughout the region
who have had a similar most exas-
perating experience.

Some of the new U. S. D. A. apple
varieties still prove to be interesting.
This group was built up on the basis
of supplying a large red apple to re-
place Yellow Transparent. The latter
is poorly received on our market at
the present time. The new varieties
are promising.

One of the new tests this year will
be that of a collected beach plum or-
chard which is bearing a very good
crop for the first time. This is one
of our native wild fruits, known
since the colonists first landed on our
shore. Little work has been done to
domesticate this plant. The School
hopes to get some very definite re-
sults with this plant.

It is now proposed to run a column
of continuous notes on new varieties.

APPRENTICE TEACHER

Richard J. Fitzpatrick, M. S. C.
'38 has been appointed as Apprentice
teacher at Essex Aggie for the com-
ing year. Mr. Fitzpatrick's home is
in Rochdale, Mass., and while at
Mass. State majored in Animal Hus-
bandry.

At commencement it was announc-
ed that he was the winner of the
first Grinnell prize of \$25. These
prizes are based on four factors, (1)
average rank for junior and senior
years, (2) a comprehensive written
examination, (3) an oral examination
before the board and (4) speaking
ability before the board.

He was also one of three to re-
ceive Hood scholarships of \$50 each
in dairy farming.

NEW POULTRY DEPT. HEAD AT M. S. C.

It was announced recently that
Raymond T. Parkhurst has been ap-
pointed successor to John C. Graham
as head of the poultry department at
Massachusetts State College. Mr.
Parkhurst was born in Everett, Mass.,
and graduated from Mass. State then
called Massachusetts Agricultural
College class of 1919. He has been
professor of poultry husbandry at the
University of Idaho, extension poultry
husbandman at the State of Iowa,
director of the National Institute of
Poultry Husbandry, Harper Adams
Agricultural College, Newport, Sal-
op, England, and for sometime with
a national oil products company as
research director.

ALUMNI NOTES

A letter of interest was received
the other day at the Director's office
from Ira J. Mitchell of the class of
1926. He is Superintendent of the
Cave Hill Cemetery Co., in Louisville,
Kentucky. He is married and has one
son four years old.

A letter from Stewart Barnaby of
the class of 1918, which is the class
that will have their twentieth reunion
this fall, gave some news of the 1918
members.

Stewart himself is president of
Barnaby, Inc., florists of 11 Harvard
Street, Brookline. He was chairman
of the local unit of the Florists Tele-
graph Assn. during the past year
and has just been elected District
Representative for the next two years.
This means that Stewart will travel
to Portland, Oregon this year to the
convention.

Brad Burnham '18 has two ad-
dresses, this summer he is at Thurs-
tons Point, Gloucester and his winter
address is, 1143 Andalusia Avenue,
Coral Gables, Florida.

Eddie Trombla is in Amesbury in
the florist-retail and wholesale busi-
ness.

Mabel Curtis sailed for Europe
this summer and is active in the Ap-
palachian Mountain Club when home.

Leonard Ives and Stewart often
meet in the Flower Market, Leonard
is in charge of the Gove Greenhouses
in Salem, his announcements when
the greenhouses opened were very
clever.

Gordon Woodbury is again work-
ing for Olmstead Brothers in Brook-
line. His father-in-law is in charge
of the Mitton (Jordan Marsh) estate.

Lionel Robator '27 is employed at
Hardy's Poultry Farm in Essex.

Cesar Rosi '33 is employed at the
Magee estate on Locust street, Mid-
dleton.

John Wegzyn '34 is now employed
at the Appleton Farm in Hamilton.

Phillip V. Tarr '18 of Gloucester is
now manager of Dr. Babson's estate
in Gloucester.

Walter Frederic Lewis '32 was mar-
ried Wednesday, July 27, to Bessie
Louise Proctor at Lunenburg, Mass.

Priscilla Hopkins '37 and Labora-
tory Assistant '37-'38 at the School
has been Assistant Dietitian at Mid-
dleton Sanatorium.

Irene Snell '37 who is employed
by Mrs. J. Hampden Robb of Beaver
Pond, has been in the Province of
Quebec this summer with Mrs. Robb
at her summer home.

Nathalie Sheldon '38 has been as-
sistant to Mrs. Chick, the housekeep-
er at Essex Aggie this summer.

MANY FIRES MAY BE PREVENTED

Many fires may be prevented by knowing some of the common causes: Lightning, Incendiary, Sparks on Roof, Defective wiring, Defective heaters, Defective oil stoves, Match carelessness, Smoke carelessness, Bonfires and Rubbish, Gasoline and Kerosene, Electrical appliances, Spontaneous combustion.

Here are a few suggestions for Fire Prevention:

1. Use of non-combustible or slow burning roofing materials.
2. Use of non-combustible materials and careful construction of flues when constructing new buildings.
3. Properly installed lightning rods on all major farm buildings.
4. Cure hay thoroughly before storing in the barn.
5. Purchase only approved electrical appliances and connections.
6. Discard or repair all defective wiring, stoves, and heating systems.
7. Cooperate with the local fire department in cleaning up fire hazards.
8. Provide special quarters for combustible and inflammatory materials.
9. Have first aid extinguishers located in strategic places.
10. Recognize fire hazards in the operation of farm motors.
11. Keep a good watch dog on the farm premises.

James F. Gallant

ERADICATE RAGWEED

August has become known in some sections as the Hay Fever and Ragweed fever month. Many people suffer from the irritation caused by the extremely fine pollen of the ragweed.

The garden club of Marblehead spent a large amount of money last year to help eradicate this weed from that town and this year the island of Nantucket is trying to eradicate it so that they may advertise and draw visitors to their island who suffer from the weed.

Let us look around our own property and see if it is free of ragweed. Should you find some be sure to dig it up and burn it. Just digging it up won't help as the bloom will mature if it only is lying on the ground and then the pollen will be in the air and the seeds will be sown for next year's crop.

WEDDING OF INTEREST

On Saturday afternoon, August 6, Miss Gertrude Fitzgerald and Instructor Fred Chase were united in marriage at a pretty home wedding.

Miss Hilda Fitzgerald was her sister's attendant while Thomas Gould also of the Essex Aggie staff was best man.

Relatives and employees at Essex Aggie attended the wedding. Following a honeymoon spent in New Hampshire, Mr. and Mrs. Chase will reside in Topsfield where they are building a house on East street.

RIPE CUCUMBER PICKLE

Already we are smelling "spices n'everything nice" as we go along past homes where the housewife is pickling and preserving. One of the pickles that always brings the ohs and ahs from guests when served is Ripe Cucumber Pickle, which is easy to make.

Cut the cucumbers in halves, lengthwise. Cover with alum water, allowing 2 teaspoons powdered alum to each quart of water. Heat gradually to boiling point, then let stand in warm place 2 hours. Remove from alum water and chill in ice water. Make a syrup by boiling 5 minutes; 2 pounds sugar, 1 pint vinegar with 2 tablespoons each of whole cloves and stick cinnamon tied in a piece of muslin. Add cucumbers and cook 10 minutes. Remove cucumbers to a stone jar and pour over the syrup. Scald syrup 3 successive mornings and return to cucumbers.

Ruth Emerson

FAIRS

Before the next issue of this magazine is in your hands, the 117th Annual Essex County Fair will have taken place. The dates are September 7, 8, 9, 10, and 11, that is Wednesday through Sunday afternoon.

Many Essex County organizations that are connected with the School in one way or another will be represented at the Fair with exhibits.

There will be a goat show, rabbit show with a building all their own for display, as well as the poultry show and the fine exhibits of fruit and vegetables and the cattle show.

Many of the students at the School and Essex County 4-H club teams will judge, show and compete in various departments.

The 4-H Clubs will have their lunch room as usual this year, although they will have a new place on the grounds, big and better than previous years. Let us patronize our young people.

The School is planning an extensive exhibit this year, featuring the Short Unit Courses of the past year with exhibits from the poultry, dairy, feeding, and soils classes. Those who attended these classes were adult farmers and poultry men who came to learn the latest methods in their line of work.

Essex Aggie will have a part in the Eastern States Fair September 18 to 24. Sometime during the fair there will be the Public Speaking contest, with the winners from some thirteen seaboard states participating.

Charles Mahoney a Senior at Essex Aggie will be the Massachusetts contestant and we certainly have our hopes set in Mahoney being the winner.

GARDEN CHAT

Early blight on tomatoes seems to be very common about the State. Excessive rains and high humidity has aided its spread. Unusual effort should be made to keep the foliage pretty well covered to prevent its spread. This holds true of all crops affected by Bacterial Blight; such as, potatoes, celery, the vine group and beans.

Corn that was ready to pull in early August in many sections had kernels that were not entirely developed to the end of the cob. The wet weather prevented good pollination, this has made for inferior quality corn.

Tomatoes furnish another example of how the weather has upset fruit development due to lack of pollination. On trellis tomatoes, the third to the fifth set of blossoms have not been pollinated. After the lower set of fruit has been harvested there will be a period of a week or two when tomatoes will be short in the market and probably the prices higher due to shortage of fruit.

Among all the varieties and strains of carrots tried at the School Market Garden, the Imperator showed up as well as any. If you are interested in this variety or any other why not visit the School and see them for yourself.

Due to weather conditions exhibit material at the County Fair may be short. Why not begin now to think about the Fair and start selecting types and specimens of vegetables to exhibit. There is much enjoyment gained by competition of one's vegetables; just as in fitting cows, poultry, etc., for shows. In preparing your vegetables for contests keep in mind four points: trueness of type; uniformity, as to size, shape and color; condition; freedom from disease and insect damage; quality, neither over ripe or too green; oversize or undersize; too rough or coarse, etc.

Follow instructions in the premium book and stack your ability against your neighbor's. Good sportsmanship is a credit to any Fair. Is it not noted in our own County Fair of over a period of a century?

C. M. Stearns

SOIL CONSERVATION NEWS

Edwin C. Martin has recently been appointed County Administrator of the Essex County Soil Conservation Association.

Mr. Martin is a resident of Beverly, Mass., and is a member of the City Government being Alderman from his ward. He was Superintendent of the H. P. Hood Farm at Cherry Hill, for a number of years. Mr. Martin's appointment has been approved by Sumner Parker, State Soil Administrator, as well as being approved by the County Committee.

POULTRY HOUSES

(Continued from page 1)

of diluted spray material per dollar spent. In other words poultrymen can supply the water without paying costs of transportation and containers.

Crude Carbolic Acid has been used as a disinfectant for many years but is not available except from large wholesale druggists. Its constituents may not be constant. Pure Carbolic Acid is too expensive. Solution of Cresol is composed of Cresol and Linseed oil, potash soap. It mixes readily with hot or cold water and is efficient in 3 to 4 per cent solutions. (1 pint in 3 to 3½ gallons of water). It is not as available at feed stores and poultry supply houses as the commercial disinfectants and is more expensive.

A disinfecting whitewash is used by many successful poultry men. It makes deep houses some what lighter and has considerable value in destroying disease bacteria and is helpful in filling cracks where mites live.

The National Lime Association, Washington, D. C. has a helpful bulletin on whitewashes, No. 304 C which may be obtained without cost.

Wood floors, sills above concrete floors, walls one foot above floors, roosts, dropping boards, wooden nests, water stands, the outside of wooden hoppers should be painted with creosote or carbolineum to control Red Mites. One application thoroughly applied will last one year. These materials are oily and should be applied only on dry surfaces and should be allowed to dry thoroughly before birds are housed.

Multi-story poultry houses should be emptied of birds and upper floors cleaned and disinfected first. Laying shelters or the barracks system are very useful because houses may be cleaned and disinfected whenever labor is available even in rainy weather. Some disease organisms are destroyed by "resting" the laying quarters, especially when plenty of direct sunlight is admitted to the houses.

John E. Miltimore,
Poultry Instructor

References used above:

"Sanitation and Control of Lice and Mites" Ext. Leaflet, No. 28, Mass. State College, Amherst, Mass.

"Diseases and Parasites", Farmers Bulletin No. 1652, U. S. Dept. of Agri. Wash. D. C.

"Keeping the Farm Flock Healthy" Circular No. 374, University of Ill. Urbana, Ill.

"Poultry Sanitation" Leaflet No. 21, University of Minn., St. Paul, Minn.

"Common Poultry Diseases", Ext. Bulletin No. 156 Iowa State College, Ames, Iowa.

"Practical Sanitation and Control of Poultry Diseases" Ext. Bulletin No. 173, Purdue University, Lafayette, Ind.

COUNTY AGENT NOTES

Your County Agent sees more farmers using the Electric Fence and grazing of the oats, barley, millet, etc., as the best method of improving the new seeding.

New Ladino seedings are frequently seen this year, one to two pounds per acre in new seedings furnishes a good lasting clover, larger than Alsike and vigorous growing, especially for wet land.

A new ruling on the Soil Conservation Program offers orchardists a chance to get credit for soil building practice of fertilizing grass in an orchard, then cutting it and using it as mulch, one unit per acre.

Apple growers who have been on their toes have fruit practically free from scab and they used the College spray schedule. Others who have not timed their sprays so well or who used some other spray materials or who failed to reach the top of the tree, or whose spray rig was not efficient, are now bewailing fate and the wet weather.

Good clean fruit free from scab is being grown this year. Those who attended the Twilight meetings have seen this fruit. It just proves man's ability to be careful and to follow a few simple directions on a spray chart and to be efficient workman.

Recently your County Agent visited a number of market gardeners who are trying to grow crops where the land is too wet. He has written for the State College Agricultural Engineer, W. C. Harrington. Whether this land can be drained, economically, or whether such land should be abandoned for garden purposes is the big problem.

Continued study of market gardens convinces us that many gardeners need to use fertilizers and manures more efficiently. Some use not enough, others too much. Instructor Alton Perkins has done a good job teaching the short unit course in soils and is making farm visits during the summer as requested to take samples and study problems.

Sam Vartanian and his brother, Salem street, Methuen, are conducting a test of topdressing celery with additional potash on muck soil. The majority of growers apparently are not using enough potash for such soil. The above test should show whether extra potash pays.

Various tomato and spinach growers are now regretting they did not treat their seed with red copper oxide or zinc oxide. The red copper treatment is recommended for carrot, lettuce, melon, eggplant, pepper, squash and tomato. The zinc oxide for cucumber, lima beans, parsnip, radish, spinach, turnips. The old saying "a stitch in time saves nine", is very well illustrated here.

Francis C. Smith

"Diseases and Parasites of Poultry" Circular No. 8, University of Calif., Berkeley, Calif.

CAMPUS NOTES

We are looking forward to greeting the new 4-H Club Assistant agent on August 22. Miss Heien Walker of North Andover will join the staff at this time. She will have a part in the 4-H Club work at the Fair. Soon the leaders will hear from Miss Walker as to her plans for the fall and winter programs for your clubs.

The canning classes although smaller in the number enrolled than anticipated, nevertheless they have been successful and many jars of fruits and vegetables have been canned for coming months.

This is the first year that the students in the Homemaking department have had their summer work supervised. It has proved most worthwhile. The prospective students for the entering classes next month have also been visited, making for a better understanding and closer cooperation between home and school.

We hear that Instructor Roger Knowlton's play "Dusty Bullets" was received during Farm and Home week at the State College with much favor.

Many people attended the Kid Show sponsored by the Essex County Milk Goat Breeder's Association which was held here at the School on Sunday, July 17. V. Byron Bennett of Ipswich was awarded the prize for "Best of Show" with his four-months old Anglo-Nubian "Eva". Miss Mary L. Farley of Sherborn, secretary of the Massachusetts Council of Milk Goat Breeders was judge. Allen Rogers of Haverhill and Instructor Roy Fleming, president of the County Association were the able committee.

THE SCIENCE TOUR

On July 13, one of the few pleasant days of the month, five cars filled with students and instructors left the School for the annual Science Tour.

The first stop was at the Cambridge Fertilizer Plant of the Eastern States Farmers' Exchange, then on to the Harvard Museum of Natural History. Some went on to the world famous Maparium at the Christian Science Monitor building. Lunch was enjoyed on the Charles River Esplanade.

In the afternoon some of the boys preferred to go swimming while the majority of them attended the ballgame, a double header between the Red Sox and Detroit at Fenway Park.

Those who went on the trip were: Donald Aldrich, Robert Perry, William Golden, Frank Golden, Arthur Gerow, Francis O'Connor, Sidney Johnston, John Draper, Robert Spencer, John Wadsworth, Henry Smith, Arthur Cornell, George Banks, Richard Mullahy, Lloyd Briscoe.

The instructors who went with the boys were, Gifford, Eastwood, Perkins, Miltimore, Gallant and Cartwright.

Dedication of Bauer Field ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., SEPTEMBER, 1938

NO. 9

School Turns Quarter Century

This may not seem a very long time when one thinks in a casual way of a new development. On the other hand, in the life of an individual that does represent a long period. This latter statement is fully realized by the limited group that has been conscientiously working to attain the results obtained.

On a clear, beautiful October 1 morning twenty-five years ago this School opened to receive the first class. Its members were carefully selected, both because of their apparent earnestness and their qualifications to receive the course then planned. The Trustees, the teachers and the students all realized that this was an absolutely new venture and project and much of the work was of a pioneer nature. Mr. Ralph S. Bauer and his colleagues who were responsible for making a fond dream come true, had just been rewarded for their three years endeavors by legislation and the support of the Massachusetts Board of Education. The endeavor to select a suitable site for the School from an offering of thirty-nine sites, had been happily terminated by the selection of the present farm. The original faculty of five had been selected with due care with a definite effort being made to get teachers who had been properly trained and experienced in the fields in instruction which they were to cover.

To sketch the growth and widening of the scope of the School from this time through the years to the present would require the space offered by a book rather than by this small article.

Early the Homemaking department was added, followed in succession by the Extension Service Department (then called the Farm Bureau). Later adult instruction forged to the front, the Evening Practical Arts classes for women and the Short Unit Courses in Agriculture were authorized. The endeavor of the Trustees to supply instruction and training for adults has always met with a very hearty response.

There has never been any trend away from the original plan, namely, the instruction of young people in the

Call To All Alumni

All roads lead to Essex Aggie on October 1, for that is the date that has been set by the Board of Trustees and the Alumni Association for the Twenty-fifth Anniversary Celebration.



The Alumni Association is planning a gala program for this day. At the present time the program is to include in the morning a three-cornered track meet with the Norfolk, Bristol and Essex Agricultural Schools competing. This will be held on our new Athletic Field, this will be followed by a tour of the campus and buildings.

At noon a box lunch will be served, followed by a band concert. At 1.30 the entire alumni and student body will gather for a parade. There will be prizes offered to the class either alumni or students for the best floats.

The parade will end at the Athletic Field where the dedication exercises will take place. As you know the field will be dedicated Bauer Field. Mr. Michael McGrath, chairman of the Trustees Committee on the dedication program will have charge of this part of the day's program.

Alumni versus Varsity

A real Aggie football game with plenty of thrills and spills will be the feature of the afternoon. A call has been sent out for all ex-football stars to don their green and white uniforms once more, this time for the Alumni Association.

Between the halves there will be a tug of war and a baseball throwing contest besides a colorful array of activities on the field.

A full day's program has been planned and the grand finale will be

Homemaking Dept. In Retrospect

It has been said that no man or institution remains at a given point; there will be a forging ahead or a sliding backwards. The history of the

Homemaking Department of the school presents a drama of steady progress.

This department was organized and opened in September 1914. Its purpose is the same today as then, namely "to give girls an education which will enable them to become efficient homemakers, wage earners in the various branches of Home Economics and useful citizens". It offered a two-year course in home economics to the girls of Essex County. Of the nineteen girls who entered that first class, ten graduated. One of these girls has two children whom she is hoping

to enter ECAS in 1939. The teaching staff included Miss Kate Fuller, Head of the Department, Miss Elizabeth Boody and Miss Madeline Hawkes.

By 1920 there was a need to extend this training and it became a three-year course. The next year there was a demand for such training for girls who had completed high school so in 1921 there was offered a one-year special course for high school graduates. Fourteen girls enrolled in the course that first year.

The school occupied the so-called Mansion House until it burned in 1917. Then it moved to a new building across the street. Since 1926 the department has been housed in the present brick building. Continued expansion has marked the numbers, too, for in the fall of 1932 there were so many on the waiting list of the high school division that a second division was organized in October, while in September 1937 entering members warranted three full divisions. During the last four years majors and minors in foods and clothing have been offered the seniors of the regular three-year course.

The staff has been increased to ten full-time instructors, two part-time instructors and an apprentice teacher from the Framingham State Teachers College. In January 1937 an instructor of physical education for girls filled a much-needed place and this past summer there was a supervisor of the summer project work. So,

Continued on page 4, col. 1)

(Continued on page 4, col. 2)

(Continued on page 4, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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CALENDAR

Sept. 18-24—Eastern States Exposition.
Sept. 20—Judging at West Newbury Grange, 6 P. M.
Sept. 21-22—Poultry & Milk judging, Public Speaking contest at Eastern States.
OCTOBER FIRST—25th Anniversary of Opening of Essex Aggie.
Oct. 3—Advance students in Agriculture return.
Oct. 7—Goat Breeders Assoc. meet 7.45 P. M. at ECAS.
Oct. 7, 8, 9—Third Annual Fall Flower Show at ECAS.
Oct. 19—Tentative date for Annual meeting Poultry Assoc.
Oct. 14-18—Northeastern Poultry Producers Council Exposition in Commercial Hall, New York City; Eastern Turkey Show also.
Oct. 28-29—Judging at Amherst.
Nov. 12-16—Science Show at ECAS.
Nov. 22—Graduation.
Dec. 8-23—Farm Bureau Convention in New Orleans and Tour through Florida.

F. F. A. NOTES

The Essex Chapter F. F. A. has submitted the name and records of Ernest W. Thayer, Jr., '35 of Wenham street, Danvers for the American Farmer Degree honors. Degrees will be conferred at the National Convention of Future Farmers at Kansas City, Missouri, in October.

ATHLETIC FIELD RECEIVING SOME FINISHING TOUCHES

Work is going quietly and steadily on in finishing up the Field for the Anniversary date, October 1. Parking areas are being finished, which are to provide places for many visiting machines. The field proper is fast nearing completion, with the exception of the tennis courts. It is even hoped that we may be able to flood the meadows above the causeway, thus showing what opportunity we will have for winter ice sports.

Already enough have signified their intention to be present to make it appear that there will be a very large Anniversary gathering and reunion. The Alumni Association is carrying most of the details of the celebration. This will terminate with a monster Alumni meeting in the evening.

NEW FRUITS

Much of the resulting work of previous years has been confirmed this year. We feel like endorsing some of the varieties already tested in a most complete and enthusiastic manner. For example, Milton is again proving to be a fine September McIntosh-like apple. Early McIntosh as a July and August apple has proved to be very productive and the fruit fairly large sized. Red Gravenstein, now quite generally planted through the county, is making an enviable reputation for itself as to size, color, and beauty. It seems to have a slightly longer season than the regular Gravenstein.

In pears we are again affirming our interest in the new mid-season pear, Bierschmidt. This pear is of good size, very high quality, and most productive. It should make an ideal pear to take the best markets between Bartlett and Bosc.

Owing to the disastrous weather conditions, we were not able to secure very good results from the raspberry testing plots. The new fall bearing variety, Indian Chief, is very heavy, at the present writing, with large clusters of terminal fruits. It would appear that these would be at their best during late September or October up until freezing cancels all chances of its usefulness.

FOOTBALL SCHEDULE

The following is the schedule that Coach Couhig has prepared for the coming season for the football team.

Oct. 1—Alumni
Oct. 8—at Methuen
Oct. 12—at Tewsbury High
Oct. 22—at Manchester High
Oct. 28—at Wilmington High
Nov. 5—Open
Nov. 12—at Saugus High
Nov. 19—Dracut High
Nov. 24—Open

TOPSFIELD FAIR AND THE SCHOOL

To one who attends Topsfield Fair and has an opportunity to go through the various buildings with some one who knows the present student body of the school and the alumni, they are amazed to discover that many of the commercial fruit growers and florists who are prize winners are alumni of Essex Aggie.

This year in the fruit displays there was an exhibit of apples from the Norris orchard. This fine display was picked and arranged by two Essex Aggie boys, William Corning and Robert Corneliusen both of the class of '38. Nine of the eleven prizes given were awarded to this display as well as the coveted sweepstakes award. Others who won prizes for the farms that they represented were Gary Sano at the E. H. Osgood farm; Paul Day at Walter Penney's and Elmer Luxton at Greycroft.

Space will not allow for reporting in detail the many prize winners for the school and the County 4-H Clubs. The contests in the Junior judging were keenly contested. The winning teams will go to Eastern States Exposition to compete in the New England championships.

Essex Aggie won first in Ornamental Horticulture, second in fruit and vegetable judging the 4-H team was third in the vegetable judging.

There were many individual prizes awarded to 4-H club members for clothing and canning exhibits. Hannah Hay of Lawrence won the sweepstakes for being the best all round 4-H club member.

The exhibit in the School booth won many comments. This year the various short unit courses were displayed and reports are that there have been a number of inquiries regarding enrollment in these.

EASTERN BRANCH OF AMERICAN BEGONIA SOCIETY

Thirty-five window gardeners and professional growers met at the Logee greenhouses in Pomfret, Connecticut, recently, and organized an Eastern Branch of the American Begonia Society. Essex County was represented by Mrs. Bessie Buxton of Peabody, nationally known as a collector of rare Begonias and writer on house plants; Mrs. B. Warren Skinner of Lynnfield; Mrs. Rachel Sands, North Beverly; Charles I. Gould, Jr. of Middleton and H. Linwood White, Danvers.

Mr. Gould was elected treasurer and Mrs. Buxton, director of correspondence.

The American Begonia Society membership is open to all interested in the Begonia as a house plant.

H. L. White

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

SEPTEMBER, 1938

"ESSEX WE CHEER THY NAME"

During the summer vacation there are many former students and former members of the faculty that drop in for a brief call on friends here at Essex Aggie. Among them this summer was F. Ellwood Allen a former instructor and now a Specialist with the National Recreational Association, 315 4th Avenue, New York City.

Older members of the school will remember him not only as an instructor but also as the author of the school song, "Essex We Cheer Thy Name".

When asked to tell how he came to write the song, Mr. Allen was very modest. He simply said he felt the school should have a song so he wrote one. He expressed his appreciation of the fact that the school uses this endeavor of his as their official school song. A copy of this song will be found on page 2 of the Supplement.

ALUMNI NOTES

Madelyn Cady and Ellen Wills of the class of '38 are Laboratory assistants in the Homemaking department this year.

Nathalie Sheldon '38 is assisting in the clothing classes this year.

Philip Armitage '27 and Wesley Maxwell '23 are employed by Horak, the florist, in Lynn.

Clifford Sewell '27 is employed by the H. P. Hood Co., in Lynn.

Alvin Courant ex-'33 is salesman for the Radio Foods Corporation at Concord, New Hampshire.

Robert Field a former student is engaged in farming at Danville, New Hampshire.

Edward S. Batchelder '29 of Saugus had a large display of honey products at the Fair.

County Agent Francis C. Smith wrote a form letter to graduates of the School to learn to what extent they used and learned practices through the Extension Service after graduating from ECAS; 12 graduates did not use Extension; 15 did use the Extension service and learned 38 practices or an average of over two per person.

Rhea Gosselin '38 has accepted a position with White and Johnson the florist in Wakefield.

POOR BEE SEASON

The season has been very peculiar in that the Bees have not kept over as readily as in previous years. It is thought that they will take down from partially filled combs and finish off in the brood nest.

However in most cases it is a good plan to feed sugar syrup solution and get them to fill and cap what is already partially filled.

George A. Meigs

NEW STUDENTS

Essex Aggie opened on September 6 with a record breaking enrollment in the entering class. There are 100 new students in the Agricultural department with 104 in the Homemaking.

It is interesting to note that the largest enrollments are from the cities, which shows the trend of the times, the back to the soil movement.

The largest enrollments of new students are for boys and girls: Peabody 28; Salem 24; Beverly 21; Lawrence 20; and Lynn 14. Methuen has the highest enrollment for the towns with a registration of entering. The list follows:

Amesbury: John A. Athanasian, Forest Reynolds, Jr.

Andover: Walter N. Pike.

Beverly: Edward Freeman, Frank Hanson, Daniel Hersey, Jr., Lawrence Rust, Ralph W. Wilkins, John Ambrose, Audrey Boisvert, Ilene Briggs, Marion L. Buckley, Ellen Casey, Phyllis Cook, Lois J. Edwards, Katherine Foster, June M. Greenough, Barbara Haskell, Genevieve Haskins, Jean Knowles, Dorothy MacDonough, Marie E. McRae, Bertha Rosum, Gloria Van Dine, A. Elizabeth Walsh, Judith Williams.

Boxford: Dorothy McGregor.

Danvers: Gordon Pelletier, Harold E. Raynor, Jr., Gordon Russell, Eugene Venti, Elizabeth Conrad, Ruth Durkee, Catherine Hitchcock, Beatrice Woodworth.

Essex: Maurice Roberts, Helen Andrews, Natalie Burnham.

Georgetown: Eugene M. Cobb, Albert Noyes, Rodney Hills, Dorothy Peavey.

Gloucester: Robert Landry, John A. Rowe, Dean Silva, Evelyn Griffin.

Groveland: Henry Stephenson, Jr.

Hamilton: William G. Goodhue, Jr., Mary Johnson.

Haverhill: Victor P. LaBranche, Richard J. Powers, Burton E. Smith, Gladys J. Cranton, Charlotte Leroy, Frederick Emerson, Jr.

Ipswich: Ruth E. Eustace, Marjorie H. Sheppard.

Lawrence: Francis Carey, Stanley Dyleski, Walter J. Kudzia, Jr., Harold Matsis, Nelson McLoon, Jr., Gerard Pelletier, John P. Riley, Wilfred J. Robidoux, George Solomon, Thomas Vulgolaski, M. Frances Calvert, Pauline A. Frost, Ruth Keleher, Eileen Menard, Mary Mulvey, Barbara Roberts, Mary Robinson, Evelyn Seacole, Marion Stancombe, Alice Wojtycka.

Lynn: Robert Gagnon, Morgan Meehan, Fred Sanderson, John Theodor, Marvin Williams, Richard Lowe, Howard E. Bacon, Earl F. Martin,

Charles P. McEride, Barbara B. Bacheller, Muriel Connor, Edna Hughes, Muriel Pontius, Maribeth Stokes.

Lynnfield Center: Kenneth B. Larkin.

Manchester: Mary Digon, Francis Sargent.

Marblehead: Donald Russell, Alfred R. Smith, Jr., Marie E. Nystedt.

Merrimac: Henry D. Lay.

Methuen: Donald Sillers, Russell Stone, Norman Whittier, Marion B. Adams, Marion Bell, Claire Burgess, Muriel D. Craven, Bertha Deluca, Reina A. Gumb, Dorothy Livingston, Bernice Marsland, Bernice B. Moody, Barbara Weston, Martha Wieland, Agnes Otto.

Middleton: Parker Gifford, Rupert Jenkins, Raymond Maxwell, Richard Peaslee, Chester Wilson, Rhoda MacMillan.

Nahant: Howard E. Bonner, Jr., Edwin Hyde, Jean Gallagher.

Newburyport: Thyra Fern, Alice Currier, Evelyn L. Chase.

Newbury: Muriel Evans, Lillian Kilgour, Margaret Knapp, Helen E. Russell.

Peabody: Louis Actis, Robert Bradbrook, Robert Conway, John F. Cotton, Robert Cranney, Raymond Ferguson, Wilfred Gaudet, Herbert Grose, Albert Hitchman, Preston Lee, Harold McEwen, Robert Pearse, James R. Putnam, James Reilly, Henry Rodden, Alden Peckham, Elsie Balnaves, Dorothy Bozek, Hilda Brown, Ruth Chenery, Audrey Driscoll, Florence Hamilton, Marie LaBelle, Gertrude LeBlanc, Ann Marie McCann, Mary McGrath, Marie Newhall.

Rockport: William Somers.

Rowley: Henry Britton, Jr., Charles Sanborn, Robert Spurling, M. Edward Ricker, Dorothy Kent, Shirley Kent, Ruth Ricker.

Salem: J. Russell Bateman, Thomas Blanchette, Fitch Brennan, Jr., Warren Brown, Thomas Hubis, Edwin Hull, John Lowe, Charles Mackey, William Mahoney, Donald Martin, Leo Ronen, Janice Brown, Christine Bruun, Betty Canty, Marjorie Comer, Constance C. Conant, Alice Croteau, Mona Devitt, Dorothy Gravel, Eileen Kelley, Alyce Roberts McLeod, Helen McNeil, Arlene Rowen, Mary Webber.

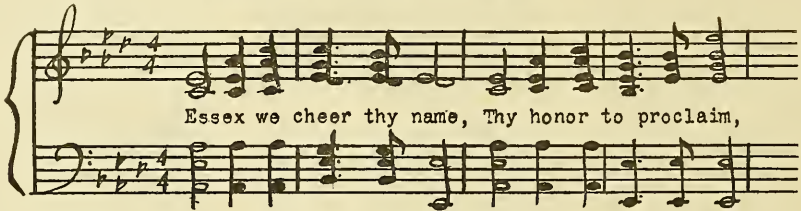
Salisbury: Joseph Poulin, Mabel Baillett, Eleanor Buswell, Dorothy Carter, Barbara Decie, Berthe Robblee, Marilyn Stone.

Saugus: John Bailly, Charles Gibbs, Miriam Jameson.

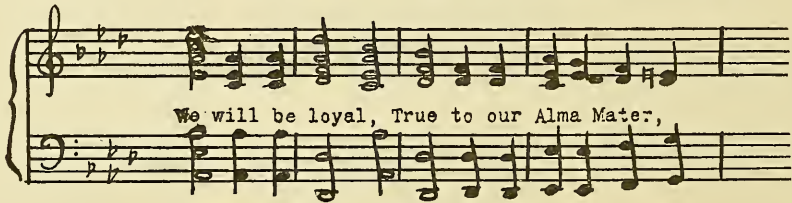
Swampscott: Virginia F. Wheeden. Topsfield: Wallace Kneeland.

Wenham: Donald Joiner, George Wildes, Doris Clay.

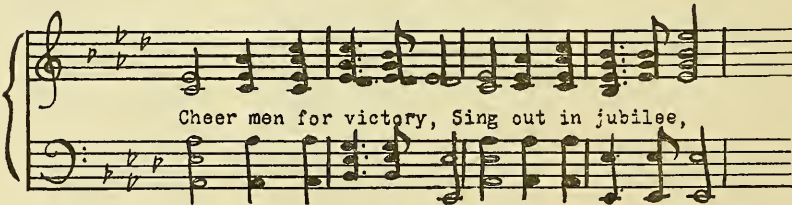
ESSEX WE CHEER THY NAME.



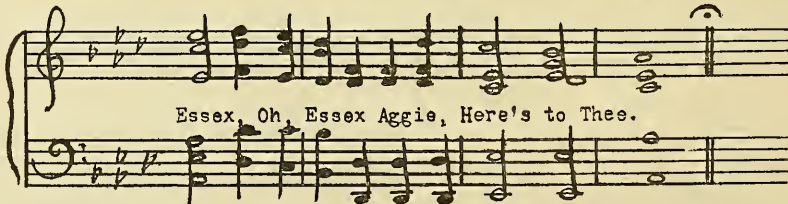
Essex we cheer thy name, Thy honor to proclaim,



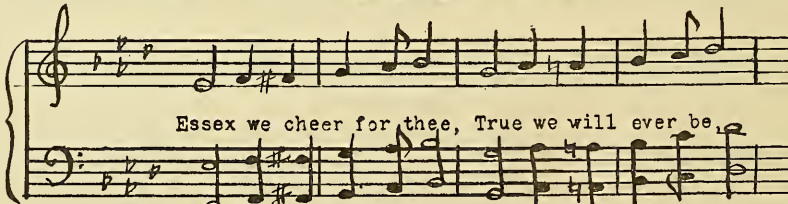
We will be loyal, True to our Alma Mater,



Cheer men for victory, Sing out in jubilee,



Essex, Oh, Essex Aggie, Here's to Thee.



Essex we cheer for thee, True we will ever be,

(Cheer) E-S-S-E-X Rah, Rah, Rah,

D.C.al

SURPLUS COMMODITIES CORPORATION PURCHASES

The objectives of this Corporation as stated by H. C. Albin of the Procurement division are to salvage supplies of food that might otherwise be wasted and thereby help increase producer income as a result of this program, not so much from the extent of the purchases or the prices they pay but from the effect on the commercial market.

They are particularly anxious to supplement and not interfere in any way with sound marketing activities for farm products. They seek to widen the markets for food stuffs among low income groups.

The Federal Surplus Commodities Corporation has a procurement office in Room 633 Washington-Essex Building, 600 Washington Street, Boston. Farmers who go to Cambridge or Boston markets and can not sell their entire load should contact the office named above and ask for E. J. Peterson.

They are not interested in buying small lots in the field. If you have abundance of fruits and vegetables you can not sell get in touch with County Agent Francis C. Smith. It may be necessary for a number of farmers to combine their supplies in order to make the necessary quantity.

VARSITY vs. ALUMNI

The Alumni game on October 1, 1938 promises to be a fast and interesting spectacle. The school team will be pitted against the best that have graduated from here in the last 7 to 10 years. Such boys as the Bulgarias brothers, Stansfield, Poirier, Keilly, Glowacki, Chlebowski, Sturtevant, Cole, Porter, Collins, Batchelder, Santin, White, Mavros, Symmes, Gaspar, McDermott, Toomey, Glackin, Clinch, Sano, Trask, McAloney and Ranta should be able to field a very stubborn defensive team and concoct a few touchdown plays for themselves.

This game bids fair to be one of the highlights of the celebration and will be long remembered.

Coach Couhig

ERRATUM

Credit should be given to Instructor Ellery Metcalf for the article, "Seeding to Harvest" which was published in the August issue. Through an oversight Mr. Metcalf's name was omitted from the article.

POULTRYMEN

The annual dinner and election of officers of the Essex County Poultrymen's Association will be held sometime in mid-October here at ECAS.

GOAT BREEDERS ASSOCIATION

The Essex County Milk Goat Breeders Association will hold their next meeting on October 7 at 7.45 here as ECAS.

STAFF NOTES

Births:

A daughter, Pauline Bernice, was born Monday, August 29 at the Beverly Hospital. The parents of the young miss are Mr. and Mrs. Sydney Porter of Swan street, Beverly. "Syd" is a graduate of the School and is now employed there.

A son, Frederick Underhill, Jr., was born August 31 to Mr. and Mrs. Frederick Underhill of Saugus. Mrs. Underhill nee Vera Bisbee was assistant 4-H Club Agent for Essex County for several years.

Apprentice Teacher:

Miss Myrtle Schneider of Hudson, Mass., is the apprentice teacher in the Homemaking department this year. Miss Schneider was at the School two years ago when a Junior at Framingham State Teachers College, she had her eight weeks of teacher training at Essex Aggie. Last June she graduated from Framingham and it is with pleasure the staff welcomes Miss Schneider back.

Girls' Coach:

Mrs. Beatrice Couhig has been welcomed by the girls as their coach for the coming year. Mrs. Couhig had a year's leave of absence last year.

Chairman of Staff Activities: Mrs. Myrtle Dexter of the Business office of the School has been elected as chairman of the Staff Activities committee for the coming season.

PROFIT BY YOUR EXPERIENCE

Stop worrying about those mournful regrets of the past summer. Analyze your practices, observations and records to determine if all growth practices were in balance. Then you will know what to do and what not to do next year.

Considerations:

To what extent was plant development influenced by temperature extremes?

What effect did seasonal distribution of rainfall have upon plant growth?

What would have been the effect on yield if space per plant had been increased or decreased?

In what ways did weeds interfere with growth and total yield?

What effect did the initial preparation of the soil have upon root development?

How did the plants respond to fertilizer treatments?

Did the plants develop at a rate proportionate to the amount of water in the soil?

How did the location effect the hours and the intensity of sunlight?

In what instances were abnormal conditions of the plant due to unbalanced factors?

In how many instances would growth have been improved by correcting soil acidity?

What Practices Will You Modify Next Year?

James F. Gallant

GARDEN CHAT

Good Fall crops are much smaller than usual on account of heavy summer rains and more disease and insect troubles than during some seasons. Local blue Hubbard squash is very short and the squash seem to be small in size. This would indicate the price will be fairly high this winter. Heavy plantings of fall spinach have been made to help pay some of the labor and plant food bills incurred during the year and therefore will probably be fairly reasonable.

Mulching tomatoes has again proved very successful at the school market garden. This has been tried for several years and has helped much toward better fruit during both dry and wet seasons. Why not plan to try mulching some crops next season?

Did you visit the Essex County Fair at Topsfield this month? High quality vegetables were exhibited this year even though it has been a discouraging year for the vegetable grower. More potatoes than usual were entered and all entries were of high quality. The Chippewa potato seemed to be the predominating variety. In the squash contest, there were more Warren Turban entered this year than Blue Hubbards. This was the reverse than for most seasons. In the five bushel class, there were six or seven entries of some excellent vegetables. Close competition was noted in the following classes of vegetables: beans, carlots, parsnips, peppers, cabbage and tomatoes. Only one entry of cauliflower was exhibited which shows the apparent shortage, locally, of good heads this Fall.

Very liberal cash prizes are offered by the Fair and more of our Essex County Growers should enter their fine products in competition with their neighbors. There is just as much sportsmanship in selecting a nice plate or box of vegetables for the fair as there is in showing a nice cow or flock of birds.

On Saturday of Fair Week some thirty odd vocational students and 4-H Club boys in the Eastern part of the State competed against each other in a vegetable judging and identification contest. Although Norfolk County Vocational Students led in first team and individual honors, the Essex County Agricultural School team placed second and the Essex County 4-H team placed third. The County School team consisted of Robert Spencer and Harold Jones of Danvers and Algerd Ramaika of Haverhill. The contest consisted of four parts: judging four classes of vegetables, eleven plates each; identifying 25 specimens of vegetables as to type; identifying 25 specimens for disease and insect damage; and identifying 25 specimens of potatoes for grade defects.

Carleton M. Stearns

GRAPE CROP POOR

Owners of vineyards this year report very poor results. The rain was ideal for the growth of Black Rot this year. Losses in grapes occur frequently because the grower does not spray thoroughly enough. Generally a copper spray or dust is necessary, according to County Agent Francis C. Smith of the Essex County Agricultural School.

The first spray for Black Rot should be applied when the shoots are 2 to 4 inches long. Use a 8-8-100 Bordeaux mixture, and lead arsenate 3 lbs. to 100 gallons. For a few vines use dry Bordeaux $2\frac{1}{2}$ ounces ($8\frac{1}{2}$ tablespoons level) water to make one gallon, or dust 85 parts copper lime and 15 parts lead arsenate may be used.

The second spray should be applied when the new shoots are 8 to 12 inches long. Use same materials as above but double lead arsenate, add 1 gallon of molasses for the rose chafer.

The third spray comes just after the blossoms have fallen. The Mildew and Black Rot are quite a menace during this period, especially if rainy. Hence the Bordeaux should be increased to an 8-8-100 with 6 lbs. lead arsenate add 1 gallon molasses. If leaf hoppers appear add one pint of 40% Nicotine Sulphate, water to make 100 gallons. Be sure to spray underneath the leaves.

No. 4. About 10 to 14 days after the last spray use Bordeaux and Nicotine as in No. 3.

No. 5. Two weeks after No. 4, Bordeaux 8-8-100. Gathering and burning old leaves in the fall aids in the control of various diseases. Growers may need to add another Bordeaux spray if wet weather prevails. Dry Bordeaux and Lead Arsenate may be purchased, all combined, under various trade brands if desired. The Lead Arsenate may be added to Bordeaux for chewing insects up to within three weeks of picking.

The Copper Lime (20% mono hydrate Copper Sulphate) dusts are best applied in the early evening or at dawn when the air is still and the dew is on the leaves.

County Agent Francis C. Smith, Essex County Agricultural School, Hathorne, Mass., has spray charts for Grape Growers. If interested write him for a copy.

HOMEMAKING DEPARTMENT IN RETROSPECT

(Continued from page 1)
vocational studies of agriculture and homemaking. Consequently, it is with considerable interest and pride that everyone now turns to the observance of this epoch marking day in the history of the School. One of the most significant facts is that the Trustees and Alumni are combining to carry out a well-balanced program, which is outlined in another article.

FALL CLASSES ARE STARTING

The Home Nursing and Foods classes are starting next week, with six groups in Home Nursing and three in Foods. The Home Nursing groups will be in Newburyport with Mrs. Jerome Hardy as chairman; West Boxford, Mrs. Charles Andrews; Essex, Mrs. George Jones; Peabody will have two classes, one with Mrs. P. J. Greahy as chairman and the other has been asked for by Miss Anna Kelly, Supervisor of Americanization work in Peabody, for a group of Greek women.

Miss Esther Belair of Lawrence, who is a graduate of this school is to be teacher of the Foods classes this year. Miss Belair has been teaching Foods in the Evening schools of Lawrence for the past five years. These classes will be in South Groveland with Mrs. Charles Sweetser as chairman; West Newbury, Mrs. Carl Dodge; and in Marblehead with Mrs. W. H. Varney as chairman.

For further information about classes write Mrs. Mary McIntire, Home Demonstration Agent, Essex County Agricultural School, Hathorne, Mass.

FALL FLOWER SHOW

The Third Annual Fall Flower and Garden Show will be held Friday, Saturday and Sunday, October 7, 8, and 9 at Essex Aggie. Garden layouts and natural scenes will occupy the gymnasium, while the assembly hall will be used for garden flowers, potted plants and flower arrangements. An outstanding feature will be the six 10x10 foot garden plots all of which will be recognized by suitable awards.

The show is sponsored by the Essex Floriculture Club, and the Echo Club of the Homemaking department. A joint committee is in charge of the arrangements. This committee is headed by Robert Spencer of Danvers, assisting him is Albert Greenaway of Marblehead who is in charge of the garden exhibits.

The show will be open Friday afternoon and evening, Saturday and Sunday afternoons from 2 to 5 o'clock. There will be an entertainment with lecture and demonstration Friday evening at 8 o'clock. The exhibition and entertainment are free to the public.

CALL TO ALL ALUMNI

(Continued from page 1)
a real alumni banquet with favors and novelties of the occasion, which will be followed by a dance.

There are many prominent men expected to attend including Senator Henry Cabot Lodge, Jr., Congressman Bates and Connery.

We are expecting You! We hope you will come for all day and renew friendships that were made during your school days.

Horace J. Shute, Secretary

4-H CLUB

Now that the summer has come to a close and the fair is over it is time to get our new clubs organized. Club leaders, club girls, club boys, let's get busy early this fall.

Thelma Milnes is our representative to Camp Vail this year. Camp Vail, as you probably know is attended by representative club members from all the New England States. Thelma is going to take part in the dress revue, by modeling the dress she made for the dress contest last spring.

Several other Essex County 4-H people will be at Eastern States this year to work on the lunch counter. They are: Frances Hartman of Andover; Doris Albrecht of North Andover; Anna Bulgarris of Byfield; Paul Corson of Saugus and Mrs. May Pettigill of Danvers.

Helen A. Walker

NEW EGG LAW

As you probably all know the new egg law went into effect September 7, 1938. If you are selling eggs and have not yet purchased your rubber stamps for marking your egg containers you may purchase these stamps in the Extension office at Essex Aggie for a small fee for each stamp. Address your request to J. Stanley Bennett, Sec. of Essex County Poultrymen's Association, Essex Agricultural School, Hathorne, Mass.

SOIL CONSERVATION NOTES

Edwin C. Martin, County Administrative Assistant has been notified by the State office that soil-building practices carried out after October 31, 1938 will not be counted under the 1938 program.

It is therefore necessary that the farmers of Essex County who are enrolled in the program perform such soil-building practices they intend for 1938 before October 31, in order to receive proper credit and payment for such.

AGRICULTURAL SCHOOL TURNS QUARTER CENTURY

(Continued from page 1)

too, has the curriculum been expanded in keeping with the times. The Echo Club, a student home economics club, is affiliated with both the state and national organizations. The school cafeteria where the girls prepare and serve the food is open to both the Homemaking and Agricultural students while the dining room serves the faculties of both departments. In the Homemaking building is a branch library, containing nearly 3000 volumes, in charge of four student librarians, which is a most unusual opportunity in a department of this size.

Verna L. Clarke

ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., OCTOBER, 1938

NO. 10

FLOWER SHOW A SUCCESS

In spite of the hurricane and the excess rain during the summer months the Third Annual Fall Flower and Garden Show was held October 7, 8, and 9 at Essex Aggie. The cut flowers and potted and house plants were exhibited in the assembly hall while the garden plots were in the gymnasium. These were 10x10 feet and there were ten of them.

Richard Powers of Haverhill and Henry Lay of Merrimac were awarded the State Department of Agriculture rosette for the outstanding exhibit of the show. This depicted a woodland scene with a pair of pheasants grousing in the underbrush.

Others who won prizes in the garden division were Edward Mitchell, Robert MacAfee, William French, Robert Bowley, John Draper, Richard Goodale, Frank O'Connor, John Wadsworth, Howard Stone, Robert Craven, Thomas Fullerton, William Senior and Arnold Hebert.

Those who won first prizes for cut flowers, flower arrangements, potted plants and house plants were: Thyra Fern, Marilyn Peabody, Hope Crombie, Barbara Metzger, Dorothy McGregor, James Reilly, Robert MacAfee, Aubert Giles, Frank O'Connor, Edward Freeman and Harold Jones.

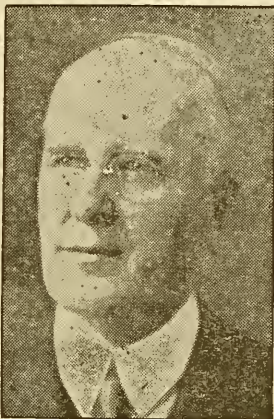
Second prize winners: Aubert Giles, Barbara Metzger, Marilyn Peabody, Dorothy McGregor, Hope Crombie, Donald Jones, Edith Campbell, Frank O'Connor and William French.

The judges for the show were, Mrs. Charles H. Haddrell of Marblehead, Mrs. Bessie Buxton of Peabody, James Curran, Danvers, Archie Adamson, Groundsman and Florist at the Danvers State Hospital, and Harold C. Stevens of the Ropes Memorial, Salem.

On Friday evening over 100 parents and friends enjoyed the show and an entertainment. Jean Gallagher was soloist, William French and his orchestra played. Howard Wilson, Jr., president of the Floriculture Club presided at the meeting. Robert Doig of Orchidvale, Beverly Farms was the guest speaker.

Mr. Doig has grown up at Orchidvale, the lovely estate of Mrs. Burrage where the famous orchids have been grown. He brought with him some of the orchids in their hands, they are in various stages of growth. Those present had the rare privilege of actually holding some of the tiny seeds of the orchids in the hands, they are so minute that one would almost think them powder. It takes many years for one of these tiny seeds to mature. Besides the plants Mr. Doig showed colored slides or some of the

(Continued on page 2, col. 1)



Robert H. Mitchell

IN MEMORY OF ROBERT H. MITCHELL

In the passing of Trustee Robert H. Mitchell the county loses a fine public-spirited citizen and the School a firm, active friend.

On October 1, Mr. Mitchell was happy in the culmination of an event which he and other friends of the School had looked forward to in great anticipation. The events of the day, including the parade, the anniversary celebration, and the dedication of the field, were enjoyed fully by Mr. Mitchell and the invited guests. He witnessed all of the games and events which followed, and in the evening at the alumni anniversary banquet he participated and spoke very cheerfully of the progress of the School. Taken sick near the close of the banquet, he continued to grow more seriously ill until his death on October 8 at his home in Haverhill.

Trustees, faculty, graduates, and the student body unite in paying a fond tribute to one who has meant so much through the years to the progress and success of the School.

It is with deep regret that the Soil Conservation Association announces the death of Mr. Charles S. Moxley at Providence, Rhode Island, on October 12, following a short illness.

Since the spring of 1936 when the Soil Conservation Association started in Essex county, Mr. Moxley was with the association as conservation agent and field supervisor.

SILVER ANNIVERSARY DAY

October 1, 1938 is a day that will long be remembered by all who attended the Silver Anniversary of Essex Aggie. It was just twenty-five years ago that the school opened its doors to young people of Essex County and this year on October 1, the present student body, and several hundred of the alumni fittingly observed the day.

During the morning one could see small groups of people gathered here and there on the campus talking over old times and greeting classmates not seen for years.

Several of the morning events did not materialize but the girls varsity basketball team and the alumni girls had a lively game in the gymnasium with the alumni winning 38 to 14. The line ups were: Alumni: Alice Decraney Wills, Nancy Sullivan, Madeline Cady, Margaret Borden, Mildred Russell and Lillian Packard.

Varsity team: Alice Cadoret, Marjorie White, Hilda Brown, Helen Andrews, Olive Judge, Bertha Rosum, Eleanor Taylor and Mary Maklae.

The Homemaking department served a box lunch at noon and as soon as lunch was over there was much activity on the campus as the classes began to form in line for the parade. This was one of the features of the day.

Everyone was asking "Where are the floats?" when suddenly from nowhere appeared one of the farm wagons with a group of the 1923 boys in farm clothes and everything from rubber boots, stove pipes, lanterns and farm tools decorating the wagon. This was in observance of the memorable trip the class took to a neighboring town once while students here. This float was awarded first prize and the members of the Echo club won second while members of the class of 1928 won third for their float which depicted the first coach that the school had. This was Phillip Couhig who is the present coach of the school.

The judges for the floats were Joseph N. Dummer of Rowley, Edward Penniman of Peabody and Frank X. Murphy of Salem.

The parade ended at the new stadium where the dedicatory exercises were held. Trustee Michael McGrath had charge of this part of the program and introduced the invited guests, namely Hon. Ralph S. Bauer for whom the field is named, County Commissioners Mitchell, Butler, and Boyle; Melville Grey, Moody Kimball, George Thurlow, Robert Sawyer, Bayard Tuckerman, Miss Anna Kloss.

(Continued on page 2, col. 2)

Essex Farmer and Homemaker

HATHORNE, MASS.

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the Essex County Agricultural School

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Northern Essex Beekeepers' Society
Sec. Treas. Stephen Dyer Lawrence
Eastern Massachusetts Society
of Beekeepers
Secretary, E. S. Battefelder Cliftondale
Essex County Milk Goat Breeders'
Association
Secretary, R. H. Campbell Topsfield

CALENDAR

Oct. 28-29—Jazzing at Amherst
Nov. 4—Preliminary Science Show
Nov. 12-16 Science Exposition
Nov. 22—Graduation

FALL FLOWER SHOW

(Continued from page 1)

orchids that are so rare that they
are not known by the ordinary person.

A new feature of the show this
year was a corner set aside for the
members of the staff of the school
that they might have an opportunity
to compete against each other. Rib-
bon for the outstanding display was
awarded to Mrs. Harold Mostrom.

Others winning prizes were: Mrs.
Wood, Mrs. Perkins, Miss Carleton,
Miss Clapp, Mrs. Gifford, Miss Moore,
Mrs. Milimore, Mr. Sanford and
Miss Torrey.

Robert Spencer was chairman and
show manager with Albert Green-
away as assistants, Edith Campbell,
Barbara Metzger and Robert Mac-
Afee were the clerks the following
served on the various committees.
Edward Mitchell, Marilyn Peabody,
John Draper, Richard Goodale, Rob-
ert Bowley, Thomas Fullerton, Elsie
Ljunggren, Aubert Giles, Grace Rai-
ney, Edith Skidmore, Alice Cadoret,
Cecile Cheney, William French, Rus-
sell Weinhold, Robert Sprague, Wil-
liam Senior, Mary Anderson, Lucy
Grover, Marie Jacques, Dorothy Sav-
age, Olive St. Pierre and Frank
O'Connor.

SILVER ANNIVERSARY DAY

(Continued from page 1)

Mr. Stimson, John Glavin, Represen-
tative Williams, Ralph B. Odiome,
Director Fred A. Smith.

About this time Instructor Ellery
Metcalf stepped forward and on be-
half of the staff and trustees of the
school presented to the Director a
gold Hamilton watch for he too was
celebrating twenty-five years with
the school.

Mrs. Clapp then presented to Mrs.
Smith a bouquet of yellow chrysan-
themums from the staff. To Mr. and
Mrs. Smith was given a pen and ink
sketch of the Agricultural building.
This was done and given by Miss
Sarah Carleton, Librarian.

Senator Cornelius Haley of Row-
ley and Robert O. Small, Supervisor
of Vocational Education in the State
department of Education were the
guest speakers.

Instructor Henry Thurlow had
charge of the raising of the flag and
the unveiling of the tablet at the en-
trance to the field which is on a large
boulder and is a simple bronze
plaque which reads "Bauer Field."

A football game which will long be
remembered for the witticisms of
Dick Murray during the plays. Alu-
mi won 13 to 6. During the halves
there was a tug of war and the Alu-
mi again won from the varsity. A
cross country run started and finish-
ed at the field. Instructors Stearns,
Mostrom and Gallant checked for this
and those winning were Melrose
first and second places and Beverly
third.

The Lawrence Training School
band played for the parade and dur-
ing the afternoon. One of the fea-
tures of the afternoon was when
County Commissioner Butler doffed
his hat and coat and directed the
band. The W. P. A. band of Salem
was present and they played several
selections.

At 6.30 some three hundred sat
down in the assembly hall to dinner.
Arthur Kochakian was the toastmas-
ter. County Commissioners Mitchell
and Butler spoke as did the Director,
Melville E. Grey and Michael Mc-
Grath and C. F. Nelson Pratt. The
guest speaker of the evening was
Congressman Lawrence J. Connery of
Lynn.

Director Smith was asked to cut the
large birthday cake after which it
was passed to all present.

Dancing in the gymnasium closed
the program of celebrating the sil-
very anniversary of Essex County
Agricultural School.

The committees in charge of the
affair were for the souvenir booklet
R. Burleigh Odiome, Marie Murray
Horace J. Shute, W. Winslow Dun-
nells and Eric Bergstrom.

Program of events: John East-
wood who was also marshall of the
parade; Eric Bergstrom, Willard Ear-
ly, Miss Ethel Moore.

Dedication: Director Fred A. Smith,

NEW FRUITS

Even in the face of the tornado
which swept the orchards of New
England, we have been able to estab-
lish some additional facts and infor-
mation concerning new fruits.

Macoun, a cross of McIntosh and
Jersey Black, proves to be an in-
creasingly interesting and valuable
variety of the McIntosh group. Its
color and quality place it near the
head of the list. One feature about
the apple which seems to be desirable
is the comparatively short stem,
which means little injury while the
fruit is being handled in storage. The
season is late winter, or with a little
storage early spring, when the apple
seems to soften with all the edible
characteristics of the parent, McIn-
tosh Red, with and added juiciness
and sprightliness which is pleasing to
nearly everyone.

Cayuga pear again demonstrates
its excellent and heavy yielding qual-
ities. This is the result of a cross of
the seckel pear and the fruit retains
many of the characteristics of the
parent. It is, however, much larger
and nearly as good in quality. With
a little attention to storage in a cool
place this variety can be prolonged to
be at its best ripeness between
Thanksgiving and Christmas. Pear
lovers should plant this variety, and
commercial growers might well give
attention to it.

R. Burleigh Odiome and Trustee
Michael McGrath.

Exhibits: There were some exhibits
in the Homemaking building. Some of
the students of today exhibited ar-
ticles they made at school and
some of the alumni exhibited articles
they have made since they graduated.
In charge of these exhibits were In-
structors of the Homemaking depart-
ment.

Athletics: Coach Phillip Couhig,
Mrs. Beatrice Couhig, Wallace More-
land, Stanley Chlebowski, G. Ido San-
tin, Alice Decraney Wills.

Finance: Arthur Kochakian, Hor-
ace J. Shute, Joseph Cassano, Marie
Pension Murray, Leslie Wagland
Killillae and Chester Hansen.

Banquet and Dance: Winslow Dun-
nells, Viola Messer Shute, Albert
Brindle and Mildred Russell.

Reception: Parker Ryan, Walter
Moore, Alfred Cipola, Elizabeth Wag-
land Playdon, Doris Montrose With-
am, Louise Semple and Florence
Pension Kennedy.

GOURD ENTHUSIASTS MEET

The New England Gourd society
held a field meeting on October 12
at the summer home of the president
of the society Sterling H. Pool in
Rockport, with about 25 present.

Plans were made for the First New
England Gourd Festival to be held
in conjunction with the Fall Flower
show at Horticultural hall, Boston,
November 10, 11, 12 and 13.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

OCTOBER, 1938

STUDENT EDITORS

Homemaking Department

Edith Boissonneault, '40 Middleton
Dorothy McDonough, '39 Beverly
Bertha Robblee, '39 Salisbury
Dorothy Peavey, '40 Georgetown
Barbara Weston, '40 Methuen
Florence Hamilton, '40 Peabody
Barbara Roberts, '39 Lawrence
Helen McNeil, '39 Salem

Agricultural Department

Aubert Giles, '39 Danvers
Andrew Kelley, '39 Nahant

GRADUATION ESSAYS

Looking back through the years we find that our graduation essays from the Agricultural department have covered the fields of work quite faithfully. In choosing speakers, to represent the class, several factors are considered, first, speakers should stand well in their studies; they should devote sufficient time to prepare themselves adequately.

This year it is planned to have essays in horticultural fields. The following students have represented the Agricultural department on the graduation program since 1930.

1930 Alexander Swinarski, Poultry; Ida May Perkins and Clifford Bryer, Ornamental.

1931 Woodbury Bartlett, Ornamental.

1932 Milton Snow, Dairying.

1933 Nathan Clark, Ornamental

1934 Chester Ellis, Dairying

1935 Ernest Thayer, Dairying.

1936 Charles Clinch, a report of the F. F. A. Convention and Woodward Walker, General Farming.

1937 Gilbert Freeman and Walter Hichens, Poultry while David Ellwell gave a historical paper.

George E. Gifford.

"SAY IT WITH FLOWERS"

At a recent assembly in the Homemaking department of our school we had the privilege of having the ever famous quotation "Say it with flowers" come true, with a very interesting talk on flowers by Mr. White of the Floriculture department.

The beauty and sentimentality of flowers were shown by Mr. White in his varied methods of arranging and displaying them. Receptacles show the flowers off to their right or wrong advantage. Sizes of vases used should vary with the appearances of the flowers. The vase and the flowers should always be in harmony but the receptacles should never be conspicuous so as to detract from its contents. With all these helpful hints flowers are yours for a more beautiful display.

B. R. R. and H. McN.

GREEN AND WHITE BOARD

The first meeting for organization of the Green and White board was held Tuesday, October 11, in the Homemaking building.

Staff members from the Homemaking department are as follows:

Editor, Olive Judge, Lawrence
Alumni, Mary Maklae, Peabody
Sports, Lucy Grover, Salem
Humor, Edith Sharp, Methuen
Echo Club, Eleanor Taylor, Lawrence
Exchange, Dorothy McDonough, Beverly

Art, Elsa Ljunggren, Saugus
Business Managers, Edith Campbell, Marblehead
Ruth Keleher, Lawrence
B. R.

EXTRA CURRICULA "E"

At this time of the year we are always happy to print the names of those students who have won their old English "E" for distinguishing themselves in extra curricula work.

A student must have a high scholastic standing to be allowed to participate in these outside activities.

Those in the Agricultural department who shortly will receive their letters are: *Joseph Arnold, Gloucester; John Balzarini, Rockport; Robert Chabot, Haverhill; **William Corning, Beverly; Nicholas DiLisio, Swampscott; Leonard Duratti, Swampscott; Myron Eastwood, Methuen; **Norman Everett, Lawrence; *Rhea Gosselin, Haverhill; William French, Lynn; Aubert Giles, Danvers; Barbara Metzger, Lynn; Sidney Johnston, Lynn; *John Kukene, Amesbury; Elmer Luxton, Wenham; *Leroy MacAloney, Groveland; Joseph Mattera, Swampscott; Charles Mahoney, Lawrence; Robert MacAfee, Salem; Conrad Nollett, Andover; Alerson Noyes, Boxford; Paul Parker, Topsfield, Raymond Pead, Danvers; *Norman Peatman, Andover; *Jacob Ranta, Rockport; Gary Sano, Lynn; Meryle Shaw, Beverly; *Henry Smith, Saugus; Robert Spencer, Danvers; *Russell Weinhold, Lawrence; *Walter Tataronis, Salem; *Allen Trask, Peabody; Howard Wilson, Jr., Beverly; John Wilcox, North Andover; and Robert Corneliussen, Beverly.

* A star is awarded to those who have previously earned a letter.

** A second star is awarded to those who have previously earned a letter and one star.

SCIENCE EXPOSITION TO BE HELD

The Essex Chapter of Future Farmers of America will conduct its 14th Annual Science Exposition during the month of November at E. C. A. S.

The Preliminary Exhibition for New students will be held on Friday, November 4. Outstanding exhibits from this show will be entered in the Science Exhibition on display November 12-16.

Seven identification contests sponsored by the Science and Agricultural divisions at the school will be conducted during the Exposition period. There will be the following contests: Trees, Weeds, Vegetable Pests, Fruit Pests, Ornamental Pests, Feed stuffs, and Poultry items.

The climax of the Exposition will be the Science assembly program held on November 16 in the school auditorium.

James Gallant,
Science Instructor

PUBLIC SPEAKING CONTEST

On September 21, Charles Mahoney together with Algerd Ramaika, John Zeilski, Instructors Eastwood and Thurlow, attempted to get to the Eastern States Exposition, Springfield, for the Regional contests of the F. F. A.

They were unable to get beyond Worcester by automobile or by train. On advice of the police that under the conditions it were better to go back, they attempted to do so when the hurricane struck. It was necessary to go 120 miles in covering the 60 miles from Worcester before the school was reached. The car in which the boys were riding was struck by a plank. No one was hurt.

The next day Dr. Lane, Regional Supervisor, found six of the nine contestants in Springfield. In view of there being no possibility of more contestants being able to reach Springfield, Dr. Lane held the Public Speaking Regional Contest at Hotel Worthy, Springfield.

The Contestant from New Jersey was declared the winner.

Our contestant Charles Mahoney being unable to reach the contest was eliminated, as were the contestants of Maine and New Hampshire.

The Milk judging and Poultry contests were not held.

All we may say is that Charlie Mahoney, while stopped by the hurricane, was not defeated by any one in the North East Regional group. All honor to the undefeated Massachusetts champion.

Henry Thurlow

**THE ECHO SAYS:
"GO OVER THE TOP!"**

The membership drive of the Echo Club has started and we hope we can soon be finished by saying we went over the top!

The Membership Drive Committee consists of:

Class	Name	City
HSA	Dorothy MacDonough	Beverly
HSB	Judith Williams	Beverly
HSC	Evelyn Chase	Newburyport
III	Ada Marsland	Methuen
IIA	Marjorie White	Beverly
IIB	Ruth Munroe	Lawrence
IA	Muriel Pontius	Lynn
IB	Constance Conant	Salem

This committee met with Miss Lovett, club sponsor, Tuesday, October 4, in the assembly hall and discussed methods of achieving their destination of going over the top.

HSA wins first honors as they were the first class to achieve one hundred per cent. Support your class and give your Echo Club dues to your representative now!

D. MacD.

SUMMER PROJECT EXHIBIT

Each year the girls of the Homemaking department hold an exhibit of the articles made by them during the summer. Each student is required to have a summer project. This year Mrs. Viola Shute, and Miss Helen Walker were the judges of the work at the exhibition which was held in the faculty dining room.

The following received awards: Clothing, Seniors: Marie Jacques first prize; Williamona Smolak, second; and Edith Sharp, third.

Juniors: Elsa Ljunggren, first; Muriel Spinney, second and Edith Campbell, third.

In Foods: Seniors: Edith Skidmore, first; Lucy Grover, second; and Mary Anderson, third.

In Foods and other projects: Cecile Cheney, first; Olive Judge, second and Edith Boissonneault, third.

E. C. A. S. RADIO PROGRAM

We hope that you make it a part of your weekly radio program to listen every Tuesday at 12.30 to Station WLAW, Lawrence when some member of the Essex Aggie staff speaks to you.

The following are in charge of the programs and speak or have some one with a message of importance to that department speak.

The first Tuesday of each month is allotted to County Agent Francis C. Smith; second Tuesday, Mrs. Mary M. McIntire, Home Demonstration Agent; third, the 4-H department; and the fourth Tuesday a general speaker, this month a teacher from the Homemaking department will speak and on November 1, Instructor James Gallant.

ASSEMBLY PROGRAMS

With the return of the advance students to the Agricultural department on October 3 we have had some special programs at morning assemblies. One of the programs which was entertaining as well as instructive was given by Messers Earl Cromack and Merton Moore, of the Albers Milling Co., of Seattle, Washington. With movies and talkies they took us on a tour of inspection of the Carnation Farms, in Seattle, Washington. In the tests made at this farm the picture showed the results of having pure bred stock.

Twice Director Smith has spoken at assembly, the first time he told us of the coming events of the twenty-fifth anniversary and urged all undergraduates to be present.

On October 11 he spoke of the passing of County Commissioner Robert H. Mitchell and paid tribute to him. The student body stood in silent tribute to his memory.

A joint assembly which had been planned for October 11 was postponed and will be given on October 20 when Rev. Kenneth Henley will speak on his trip to Europe this summer.

ALUMNI NOTES

Space does not permit a full report of all the Alumni who returned to the School on October first to participate in the twenty-fifth anniversary program. We are listing a few graduates who are infrequent visitors and who covered some distance to visit the school that day.

Thomas Snelson '30 now living at 14 Putnam street, Watertown.

Paul M. Fisher '33 Box 31, Auburn, Maine.

Richard E. Poirier '33 is employed at the Grafton State Hospital, Grafton, Mass.

Herbert E. Robson '17 148 Bridge street, Weymouth, Mass.

Edwin E. Bergstrom '19 Rutland, Vermont.

Harold Wolfgram '24 Newport, R. I. Beacon Hill Farm.

Mr. and Mrs. Stewart Cogswell '26 Tewksbury, Mrs. Cogswell was Marjorie Hawkes of the class of 1926 before her marriage.

Nathan Hale '28 Woburn.

Ralph P. Hussey '16 has a large poultry business at Kendall Green.

Parker Ryan '24 19 Newland street, Arlington.

Peter Payson '28 8 Summer Terrace, Springfield.

T. K. Wainwright '22 North Andover.

Arthur Kochakian '26 Haverhill.

Edward Sweeney '16 Manchester, Mass., he is Supt. at the Essex County Club, Manchester, Mass.

John MacKenzie '31 57 Montrose avenue, Wakefield.

Mr. and Mrs. Robert E. Nelson '19 of Essex. Mrs. Nelson was Blanche Burnham before her marriage.

**ECHO CLUB GIRLS WIN
EIGHT DOLLARS**

The Echo Club girls who participated in the twenty-fifth anniversary celebration, won eight dollars the second prize given for floats. The costumes which they wore showed the contrast between the styles of 1914 and 1938. The girls who wore the 1914 costumes were as follows: Alice Croteau, Salem; Judith Williams, Beverly; Gloria Van Dine, Beverly; Mabel Bartlett, Salisbury; Lucy Grover, Salem.

Those wearing the 1914 caps and uniforms for the foods laboratory were: Edith Campbell, Marblehead; Frances Calvert of Lawrence.

Modern day uniforms were worn by Edith Boissonneault, Middleton; Mary Maklae, Peabody; and Grace Rainey, Methuen; and Edith Skidmore of Lynn were dressed as the girls of today dress for their course in gardening.

B. W.

SALT MARSH HAY

The question has been asked as to the feeding value of salt marsh hay as compared with timothy hay. County Agent Francis C. Smith has looked up this question and quotes from bulletin 50 of the Massachusetts experiment station 1898 relative to this subject.

"These salt hays ton for ton have from 10 to 18 percent less feeding value than average English hay (timothy.) When fed in combination with grain and corn silage, the salt hays representing 30 to 40 per cent of the total amount of digestible matter in the ration, the salt hays produced from 2 to 5 per cent less milk and butter than did an equal amount of English hay similarly combined. When fed directly after milking, no objectionable flavor could be detected in the milk or butter."

"Because of the lower market price for salt hays as compared with English hay daily rations containing 10 to 12 pounds salt marsh hay produced milk from 10 to 20 percent cheaper than rations containing an equal amount of English hay."

"When there is a good market for English hay, it is undoubtedly wise to sell it and feed salt hay in combination with corn silage. It must be remembered that the value of salt hay is decidedly influenced by the time of cutting and by the condition of the weather, during the time of cutting and for a few weeks later".

THE F. F. A. MEETS

The executive committee of the F. F. A. has held two meetings in Mr. Metcalf's room when plans for the coming year were made. The various committees were granted permission to meet again in order to establish a master budget for the year.

A. K.

SOIL HINTS

The unusual heavy rains of the past season have washed out much valuable plant food from the soil, especially nitrogen. It would be well to consider this in your fertilizer program next season. The early crops will appreciate a quickly available form of nitrogen along with the other plant foods needed by the crops. As a plant has rather a short life cycle it is well to keep it growing by applying sufficient amounts of plant food to obtain the best results.

Some of the soils in the county have been deficient in potash. This is especially true of the muck soils. Giving this consideration will mean a better quality product.

Muck soils suffered this season from a lack of proper drainage in many cases. Ditch or tile drains would have relieved some of the surplus water more quickly and allowed the soil to dry out faster. A green crop such as rye or buckwheat would help lighten these heavy soils also.

After heavy rains some soils become very compact as they dry out and frequent cultivation at these times would allow air to get at the roots of the plant and thus give your plants a better chance to live.

It would be well to check your soil by one of the reliable test outfits on the market, to find if your soil is properly limed or if it has too much acid for the crop you plan to grow on it next year. Clubroot on cabbage and scab on potatoes would be less prevalent if the soil had the proper treatment.

There are some advantages of applying lime in the fall. It comes at a season when the rush is over, also the lime has a better chance to work into the particles of soil, and thus gives you better results next spring.

Fall plowing has some advantages also. Usually farmers are not pressed as they are in the spring. When soils are to be plowed deeply it allows opportunity for the soil to get into a proper physical condition by spring. There seems to be less loss of nitrogen through leaching and in the development of a firm seed bed.

Furthermore where any "raw" subsoil is turned up, it becomes thoroughly weathered before planting time. Many crop pests are turned under also. Soils in the fall are seldom too wet for plowing. Plant refuse or coarse litter will have a chance to decompose if plowed under in the fall.

During the winter is a good time to plan for crop rotation next season. Most soils, however, respond best and are improved the quickest when a carefully planned cropping system is established which embraces some definite plan involving the use of lime, manure, legumes and special fertilizers.

CARE OF FURS

The greatest detriments to fur garments or fur trimming are friction, moths, heat and light, according to Frank G. Ashbrook, fur specialist of the Bureau of Biological Survey, U. S. Dept. of Agriculture.

"The wear and continued good appearance of fur on a coat or of a fur coat," he says, "depend on the care that it gets. Any heat, including sunshine, draws the oils out of the leather pelt of the fur and makes it hard and dry. Light actually fades dark furs and makes white furs yellow. A fur garment should be cleaned by an expert with equipment for tumbling it in a drum with especially treated sawdust until it is clean. If the lining is very soiled he takes it out and dry-cleans it separately.

"Moths fly the year round in our modern heated houses. As they seem particularly fond of fur, garments made of it or trimmed with it require constant watching, even in winter when they are in daily use. Occasional brushing and airing will help to dislodge any moth eggs that might be laid in the fur.

"If a fur coat or the fur on a coat gets wet, it should be gently wiped with a Turkish towel along the flow of the fur. Hold it by the hem and shake it well. Hang on a padded hanger in a doorway or somewhere else that has a good circulation of air. Never hang it near a radiator or other heat, or in a very hot room.

Fur coats sometimes show worn, bare spots on one side where the wearer has always carried a purse. The left sleeve may have such a spot if the wearer drives a car and rests the left arm on the car door. Rubbing on the steering wheel may wear the fur cuffs badly, just as a hat brim that is too long in the back will wear off the fur of a beautiful collar. One should never sit down in a fur coat without unbuttoning it to ease the strain on buttons and seams and shrugging the shoulders slightly to lift it a little. This prevents development of baggy places.

"Fur coats, scarfs and trimming may be combed very gently with the flow of the hair to prevent matting. This means in the direction the hairs point.

When a fur coat is made as cheaply as possible, often from inferior grades of furs, it may not be properly reinforced with thin cloth tacked or cemented on the back to relieve the strain on the leather. This is always done with the more expensive furs. So we should give extra care to a low-priced coat that is made of any of the less durable furs."

If you are interested in solving your soil problem the School is glad to furnish you assistance.

Alton G. Perkins,
Science Instructor

GARDEN CHAT

A new feature at the Fall Exhibit of the Massachusetts Horticultural Society was a class for Roadside Stands. The class called for Fruits, Flowers and Vegetables arranged as a Roadside Stand to cover 100 square feet. There were 3 entries in the class; Essex Chapter Future Farmers of America, First prize of \$50.00, Mr. Hopkins of Reading, Second prize and Jamaica Plain High School, Third prize. Both 2nd and 3rd exhibits were rustic type of stands. The F. F. A. exhibit was largely made by students under the supervision of instructors.

The building consisted of three sections each devoted separately to Fruits, Flowers and Vegetables. Forty different varieties of specimens were shown. The left hand section was devoted to fruit where 4 qt. baskets of Niagara and Concord grapes, Bosc pears, Red Gravensteins, McIntosh and Cortland apples were displayed.

The right hand sections showed Begonias (Wax) and five varieties of bagged evergreens. The center section was devoted to beets, carrots, cabbage, corn, chinese cabbage, peppers, squash, tomatoes and pumpkins. The Bay State sign was displayed at one end of the stand and a long sign was placed across the top with the following printing: "Essex Chapter Future Farmers of America." A set of scales was conspicuously hung in front of the stand. A shelf was placed in the center on which were paper bags, the State Department of Agriculture Retail Market Reports, and Weekly Crop News Sheets. Lights were so placed that the exhibit was very attractive and furnished a creditable addition to the show.

C. M. Stearns

WHEAT EXPORT PROGRAM

Many citizens of this section do not realize that the Agricultural Adjustment Act provides for the encouragement of foreign sales of basic farm commodities. Exports of wheat and flour are being aided under a program which provides for indemnity payments to encourage exporters to sell abroad an increased portion of this year's big wheat crop. This export sales policy; is expected to result in the exporting of over 100 million bushels of wheat.

The program provides for purchases by the Federal Surplus Commodities Corporation from domestic producers and others and for resale to exporters with the differences in buying and selling price made up from funds made available under section 32 of the 1935 amendments to the AAA. This section makes available 30 per cent of the annual customs receipts for removing farm surpluses and encouraging domestic and foreign sales.

Francis C. Smith,
County Agent

POTATOES

How dear to our hearts are the scenes of our childhood! Among those scenes are the meals cooked for us by our mother, and one choice food prepared in various ways, was the potato.

The potato has played an interesting part in the world's history and with all its importance and power it has always kept that great virtue, humility.

Let us look back beyond our childhood knowledge of potatoes to their history.

Potatoes grew wild in Peru, Panama and Mexico, but the Inca Indians in Peru cultivated them until they had more than a thousand varieties including the colors black, red, pink, blue, white, russet, yellow, purple, orange, spotted and streaked with various hues. The Incas had a legend that each time one of their surgeons performed a successful operation on the skull of an injured brave a new variety of potato appeared.

All sizes and shapes of potatoes were cultivated, some as smooth and shiny as a tomato, some as rough and warty as a toad. One variety was inedible until frozen. Plants grew three and four feet high while others had long trailing vines.

Flowers on the potato plant were colored white, yellow, pink, purple, lilac and rose.

The Incas' name for the white potato was "papa".

All this information concerning potatoes existed in Peru centuries before Pizarro conquered the Inca Indians.

In 1520 Spanish explorers carried potatoes from America to Spain and there they were cultivated for forty years before they were brought back to Florida for cultivation. Five years passed when Rawleigh and Hawkins helped themselves to some food supplies including potatoes and sailed away to England. In a few years, potatoes were popular in Ireland. When the British came to settle in New England they brought along potatoes to cultivate, calling them Irish Potatoes.

In the early days at Harvard College a banquet was held, at which potatoes were honored by being served.

The people in France in 1773 were urged to eat potatoes and King Louis XVI had potatoes served on the royal table and at times he wore a potato flower in his button hole. Marie Antoinette to help popularize the potato wore the blossoms in her hair.

We are told the potato and turnip made Britain a world power; and Napoleon, overcome by a shoulder of stuffed mutton lost the battle of Leipzig—Hence, the power of the Potato!

During the Thirty Year War, potatoes saved people from famine and they became the staple food for many races. The failure of crops in Ireland in 1845 was responsible for the wave

ADDITIONAL SUPERVISORS
SPEED UP WORK IN SOIL
CONSERVATION

Mr. Edwin C. Martin of the Soil Conservation Association was notified by the State Office that the time for the performance of soil building practices for payment in 1938 has been extended to Nov. 30th. This gives the farmers a month longer than anticipated to complete this work.

Four supervisors have been busy for the past month measuring fields and checking practices of the A farms enrolled in the Program. One is well known to the farmers of Essex County, Hartwell B. Abbott of Andover having been with the Program for the past year. The others are John Rice of Bradford and John Kachadorian of Methuen.

To further hurry along the work, two additional supervisors are being started this week. Both are graduates of this school, William Abbott of Danvers being known as the first ever to graduate, and Meryle Shaw '38, of Beverly.

of the emigration to the United States.

In the days of Parnell in the chilly foggy streets of London there were vendors of Hot Roasted Potatoes. This would be a good business in our country in conjunction with "The Hot Buttered Pop Corn Stands".

When Kathleen Norris traveled through Russia a few years ago women were at the stations with flat baskets of potatoes to sell to the passengers on the trains.

The potato crop of the entire world is over six billion bushels and nine tenths of them are grown in Europe. Millions of bushels are used for making starch, flour, motor fuel and in producing alcohol. Most of our crops are consumed as food and we import thousands of bushels from Cuba, the Bahamas, Puerto Rico and Bermuda.

The same seed grown in different soil produces different results. The Potato Chip manufacturers use an ordinary appearing potato grown in Idaho and North Carolina. A farmer in Topsfield has produced a satisfactory specimen for that purpose. In Montana and Idaho potatoes may be grown weighing several pounds. Volcanic ash soils make potatoes especially good for baking.

Sixty years ago children used to enjoy picking potato balls which hung on the plants. In their raw state they were poisonous but after becoming dry they were filled with a brown powder which was used as a remedy for the nose-bleed.

Many toys for children have been made with the potatoes and Elizabeth Morrow's book entitled "The Painted Pig" each characters' head is made from a potato with the skin left on and tinted to the shade of the natural Mexican complexion but scraped off to show the white of teeth and eyes.

4-H CLUB NOTES

The Essex County Service Club will take part in a state wide enrollment campaign to secure 1000 new members by holding a Halloween party on October 28, the opening day of the campaign. Every Service Club in the State plans to have a party on that date and invite all prospective members as well as old members. Everyone must come in costume so an evening of fun is promised.

Two girls Doris Albrecht of North Andover and Inis Biodini of Beverly went to the Singer Sewing machine contest held at Brockton Fair, last month. Both girls came out with high scores, Doris with a score of 93% and Inis had 91%.

We are very happy to congratulate Doris on winning first prize in this contest and hope she is enjoying her new electric Singer sewing machine.

Local Leaders—The annual meeting which was to be held October 28 has been postponed until November 16 so please make your plans accordingly.

Helen Walker,
Assistant County Agent

STUDYING COLOR IN DRESS

You may study color in two general ways. One is by association, that is by becoming so familiar with the various color combinations as to be able to tell beforehand what the general effect will be. This knowledge is generally obtained by observation and associating with objects whose chief beauty lies in their coloring.

The other way is by studying the laws and principles governing harmonious combinations, that have been formulated by persons who have made a special study of the subject.

By practicing the former method, you may develop a fine sense of color but without a theoretical knowledge, the color combination will be limited to certain pleasing effects that have been observed somewhere.

Once the laws and principles of color are clearly fixed in your mind, the combining of colors to bring out the best effects in dress can be done with ease and confidence and it is work that will grow more fascinating the more deeply you enter into it.

Abbie Clapp,
Clothing Instructor

When the Dartmouth boys worked their way through college and little elderly ladies earned their meagre wages sitting in a corner peeling potatoes, I wish they might have realized they were handling a leading power in the world and one of God's great handiworks!

Harriet Butman,
Instructor of Foods

ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., NOVEMBER, 1938

NO. 11

High Honors To Ernest Thayer, Essex Aggie Graduate

Essex Aggie is indeed proud of one of her graduates, Ernest Wilson Thayer of the class of 1935 and a resident of Wenham. At the 11th. Annual Convention of the Future Farmers of America, held at Kansas City, Thayer was awarded the organization's highest degree that of "America Farmer". Not only is Thayer the first Aggie boy to win this distinction but he is the first Massachusetts boy to be so honored. No more than one youth in 1000 members in each state may receive this coveted award.

Ernest Thayer's record is really that of a City boy who makes good in farming. He lived in Lynn and was a graduate of the East Lynn High school before entering Essex Aggie. While here at the School he had an average of 90 in his studies.

He took over a farm on the line of Danvers and Wenham which had been condemned as a milk farm by the people of Wenham. Today Thayer has a prosperous farm and dairy.

When he graduated from Essex Aggie an inventory of his equipment was taken and this showed assets of \$853 and liabilities of \$105 and the net worth being \$748. Two years later he had increased his stock and equipment so that it was worth \$2,130.55 net.

His first year out of school he rented three acres for a vegetable garden, had three cows and milk route. Today nearly three years later he has increased his land and stock to 8 Grade Cows, 1 Grade Heifer; 1 Reg. Guernsey Bull Calf; 1 Reg. Guernsey Cow; 2 Work Horses; 125 Growing Pullets; 1 Pig. He has rented a total of 60 acres for vegetable garden, plowland, wood and pasture and hayland.

While at Essex Aggie he was active in F. F. A. being winner of the Public Speaking contest, awarded Balfour Prize plaque for highest ranking senior in scholarship achievement and loyalty.

He says of his plans for the future, "I shall strive to maintain a well balanced general farm, the keynote of which will be Purebred Guerneys. Milk to be sold retail, sell breeding stock, do test milking and later a little showing. Hens will be kept to supply milk customers, home use and perhaps a little store trade.

Market Garden: to raise as much garden as to fit into a well balanced

(Continued on col. 3)

Plans For Graduation

The plans for graduation on Tuesday, November 22 are nearly completed. Those taking part from the graduating class are Hope Crombie and Rhea Gosselin from the Floriculture department. Their subject is "The Fine Art of Corsage Design". William Corning and Robert Corneliusen will have a project dialogue, "Learning by Doing". From the Homemaking department Grace Mann will tell of her summer home project while Ellen Wills will tell of her "Summer at Wellington Homestead".

The officers of the graduating class are President, Howard Wilson, Jr., Beverly; Vice-President, Frances Carty, North Andover; Treasurer Sidney Johnston, Lynn; Secretary, Rachel Kruschwitz of North Andover.

OF INTEREST TO ALL ALUMNI

Annual Alumni Banquet and Dance at the Hotel Manger, Boston, Tuesday evening, November 22.

A change from the regular routine of procedure of the annual banquet and dance, the treat in store for Aggie graduates this year.

The executive committee has been able to promulgate the change for their annual confab at no extra cost to the members and feel that it will stimulate even more members to attend the annual meeting.

The officers of the Association expect an enthusiastic reaction to the change since the quarters at the school are no longer large enough to comfortably house the large number of graduates who return each year.

The banquet will start at 7 P. M. in the main dining room of the hotel and will be followed immediately by the business meeting.

This affair is strictly informal. It will be necessary for everyone to reserve their banquet ticket in advance.

Anniversary Booklet

The Alumni Association, published an unusually fine souvenir booklet for the 25th celebration October 1. This booklet depicts the activities of the school and stories of its progress in 25 years. Many interesting pictures of the buildings and of course a panorama of the new athletic field, also the program of the events making it an excellent souvenir of the Silver Anniversary.

There are a limited number of these booklets left and maybe purchased from the Secretary, Horace J. Shute.

H. J. S.

Place Cards For Thanksgiving

As Thanksgiving Day draws near and plans progress for a gathering of relatives who perhaps are coming from far and near, would not some decorated place cards, lend a gala aspect to the occasion?

A bit of nature brought indoors and used as decoration is always more effective than any painted or paper imitation could be, and so we suggest gathering a bit of evergreen such as arborvitae, or some green moss and some hemlock cones. These with a few oil paints or poster paints, some 2" x 3" cards and some china cement will be all that is needed.

The first thing to do is to paint the cones in some colors that will go well together. If the cones are small enough perhaps three could be used on one card but one or two might be less crowded. Then a color used for one of the cones might be painted lightly on the edges of a tiny piece of the evergreen or moss. Oil paints will perhaps be a little more successful to use though poster paints, if quite thick, will be effective.

As soon as the cones and the evergreen are dry they may be fastened to a card. Place a tiny sprig of evergreen on the side of the card at an attractive angle and with a fairly generous application of china cement this will be found to stick very readily. Next, having decided on the position of the cones, apply some cement in a little nest for each cone and press each firmly in its place.

Instead of the cones a tiny sprig of the bittersweet used with a bit of evergreen and cemented to a card makes a very attractive combination and one might easily think of an infinite variety of such combinations of natural materials available at this season which would be attractive to use.

One might even imagine a wooden bowl filled with larger painted cones and used as a center table decoration.

Margaret R. Harris,
Instructor Related Art

(Continued from col. 1)

farm program, to be marketed chiefly to stores.

I shall attempt to run the farm in such a manner as to raise as much feed as is economically warranted for my stock and myself so that there will always be something to eat and something to bring in a dollar."

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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CALENDAR

Nov. 22—Graduation. School closes
for Thanksgiving recess.
Nov. 28—School reopens.
Dec. 9-12—Christmas Decoration
Show at ECAS.
Dec. 16—School closes for Christmas
vacation.
Dec. 29—4-H Service Club banquet,
place to be announced.

ALUMNI NOTES

Betty Nief and Dorothy Doerr of
the class of 1938 are student nurses
at the Beverly Hospital.

Elinor Bacon '31 was married to
Eric Planitzer in July 1938.

Ruth Graf '37 is working at the
home of Mrs. Sherman in Winchester.

Irene Snell '37 is serving as per-
sonal maid to Mrs. J. Hampden Robb
of Beaver Pond, Beverly. They spent
the summer at the Robb summer
home in Quebec.

Barbara Gage '38 is serving as
Household Assistant to Mrs. Charles
Withers in Newburyport.

Eileen DeFour '38 is a student at
the New England School of X-ray
Technique in Boston.

Alberta Redlon '38 is employed at
a dressmaking shop in Haverhill.

Helen Corliss is employed as a
waitress at the Fieldstone in Ando-
ver.

Ruth Covell '34 was married May
26, 1938 to Howard Paulson. She is
still living in North Andover.

It is with regret that we announce
the death of Thelma Ratcliffe, a gra-

THE STUFFING IS THE BEST PART

Thanksgiving is approaching, that
means to many of us some kind of
a bird to be stuffed, and remember
the stuffing is an important part. We
all have different ideas on what we
like, but maybe this is the year that
you want to change and make your
stuffing somewhat different from usual.

I hope you save your stale bread
and left over rolls for such purposes.
In fact these left overs of bread if
properly dried may be used for
crumbing croquettes and putting on
top of various baked dishes. However
for stuffing do not grind them, they
make too mushy a mixture. Softer
stale bread is preferred by some and
you can buy old bread from your baker
at several cents less than regular
price. Half bread and half crackers
makes excellent stuffing, or all crack-
ers if you prefer.

Hot or cold water is all right for
this mixture but if you are stuffing
the bird the day before roasting you
should use cold water or else be sure
the stuffing cools thoroughly before
you put it into the bird. This idea of
stuffing the bird the day before is
surely a help when the holiday actu-
ally arrives. Be sure to use plenty of
water to make a soft stuffing. It will
dry out some in cooking. If you use
dry, hard, bread be very sure all
pieces are well soaked up before u-
sing.

Now for the seasoning in our bread
or cracker stuffing. It is of course
very important. Plenty of salt, pep-
per and butter and an egg if you de-
sire. Good old New England sage is
the very correct seasoning! If you
raise it in your herb garden (and it
is easy to grow) or can
get it from a friend who does
raise it you have the best thing.
Crisp up the dry leaves in the oven
and push them through a strainer to
get it in powder form. Of course you
can buy this all powdered but is it as
good as raising your own? Poultry
seasoning is a combination of spices
largely sage. Personal preference will
determine the amount of onion but
be sure it is very finely cut up, chop-
ped celery is also good at this point.

Remember a well seasoned stuffing
helps to season your bird as well as
provide an important part of the
meal.

Now I have described only good old
fashioned New England stuffing.
Many others are excellent. Mashed
potato is frequently used as a founda-
tion, or boiled chestnuts, the French
ones you buy. The giblets may be
ground up and put into the stuffing
but I prefer these for gravy. Sau-
duate in 1932.

Jack Schafer a former student at
Essex Aggie is now married and re-
sides at 17 Jersey Street, Marblehead.
He is employed at Lane's Dairy
Farm in Ipswich.

THE BEACH PLUM

A Native Fruit Coming Back

The beach plum (*Prunus maritima*)
has been a recognized native plant
on the Essex County shore since
1636, in fact Plum Island was named
because of the presence of this
species. The early settlers, writing
home to England, described the abun-
dance of this fruit and its valuable
qualities. It continued to be prized
and much sought for a great many
years. Of late the fruit has grown
less abundant due to the inroads of
insects and diseases, notably brown
tail moth, plum curculio, and brown
rot. In spite of neglect and in face
of no attempt to control these trou-
bles, the fruit has continued to grow
and fruit indifferently.

Now a strong movement is on foot
to give this valuable little fruit some
attention. Local endeavor along the
Massachusetts coast is now being
augmented by some very definite
help from the United States Depart-
ment of Agriculture. The department
will attempt to collect and establish
orchards of this fruit. One of the rea-
sons why they are concerned about
this fruit is for its value as a soil
binder and soil erosion control plant.

Already some valuable individual
plants have been located. In the fruit
testing nursery at the School a splen-
did little orchard has been establish-
ed and has already begun to show
heavy yields. Anyone interested in
the development of this fruit is invited
to correspond with the School. The
School would particularly like to have
attention called to outstanding plants,
noteworthy because of size of fruit,
quality, or abundance of yield.

sage meat or even pork is frequent-
ly mixed in if you desire the meat
flavor. Oysters with their liquor may
be added to the regular bread stuffing
which has been more lightly season-
ed. Mushrooms sauted in butter may
be used in large or small amounts.
If it is duck you are stuffing, apples
are very appropriate. Prepare your
duck the same way you would any
bird but remember there is not as
much meat on it and all meat is
dark. Also duck is much more greasy.

Another point about stuffing. Don't
think you can serve it only with pou-
ltry. Stuffed into a boned fresh ham
or leg of lamb it gives good flavor.
Also cook some around the roast be-
cause you can't get much inside. Meat
goes much further if helped out with
a good stuffing. Pork chops or lamb
chops are excellent baked with the
stuffing on top. Baste frequently with
the meat fat and you will have a de-
licious dinner. Fish done in the same
way is also good. As well as season-
ing the fish or meat you prevent it
from drying out.

Remember, good cooks "season to
taste" so taste frequently and give
your family one more thing for which
to be thankful this November.

Ruth Emerson

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

NOVEMBER, 1938

STUDENT EDITORS

Homemaking Department

Dorothy MacDonald '39 Beverly
Bertha Robblee '39 Salisbury
Dorothy Peavey '40 Georgetown
Barbara Weston '40 Methuen
Florence Hamilton '40 Peabody
Barbara Roberts '39 Lawrence
Helen McNeil '39 Salem

Agricultural Department

Aubert Giles '39 Danvers
Stewart Chase '41 Peabody
John Broderick '41 Lynn
James Nugent '41 Newburyport
Frank Lane '41 Manchester
Warren French '40 Lynn
Arnold J. Hebert '40 Saugus
F. F. A. Reporter
Andrew Kelley '39 Nahant

WE PLOW TOO MUCH

Plowing and cultivating land is comparable to performing a surgical operation on a human being, indispensable at times, but to be avoided when possible.

A group of soil and crop scientists recently heard that remark from Dr. Richard Bradfield of Cornell University. On first thought, it may sound like some professor without experience, preaching. But Bradford plowed Ohio soil before he became a professor. He has had time since to study the effects.

Soils consist mostly of granules give them good working condition. These granules are made up of many small particles. Each granule has pores full of air and water. Continued cultivation tends to break down these granules and press the particles together. In many cases from 25 to 30 percent more soil is crammed into a cubic foot than was present in the previous soil. Thus we must be careful that we do not plow too much.

Martin Sevoian

GREEN AND WHITE

The Fall issue of the Green and White will appear in time for graduation. Meetings have been held every Tuesday in the Homemaking building. The following make up the Editorial Board for the Agricultural department.

Assistant Editor, Aubert Giles; Business Managers, John Bailey, Robert Roche; Sports Editor, Russell Weinhold; Alumni Editor, William French; Senior Editor, Robert Spencer; Humor Editors, David Irons, Donald Herron; Art Editors, George Burkhardt, Roger Coleman; Exchange Editor, Robert MacAfee; Typists, Thyra Fern, Dorothy MacGregor; F. F. A. Representative, Andrew Kelley; Faculty Advisors, Instructors George E. Gifford and Carlton M. Stearns.

NATIONAL DEAF WEEK

National Deaf Week was observed the week of October 23. This is to make the Nation's people conscious of the many afflicted persons in the United State today.

The following article was written by a student who is unfortunate enough to have this affliction, but who regardless of this tells us exactly how she feels about the help this country is giving her and many others today.

"Something About The Deaf"

Many people think that a deaf person is one who is to be forgotten. This certainly is not true. Many people wonder what a deaf person is like. A deaf person is an ordinary person only he has no hearing.

There are thousands of schools for the deaf in the United States at the present time, and nearly one million children attend them. All these children may not be exactly deaf, some may be just hard of hearing. Many of these children are being helped by a scientific device that takes advantage of a seldom-used sound-circuit. This enables them to hear sounds and helps them with the correct way to pronounce words. This scientific device is called earphones. Earphones were invented not so long ago. There are two kinds of earphones, air and bone condition.

The air condition system has a round earphone that is put right over the ear. The sound is carried to the unused circuit. The bone condition varies a great deal. It is an oblong shaped instrument which is placed on the bone behind the ear. The sound is felt on the bone and helps the person to hear.

Long before the earphones were invented the deaf children were left out of the fun and joy which every child shares. By this time they started to use the sign language and the alphabet hand sign, as a new method to aid the deaf. The sign-language is considered "old fashioned" and lip-reading has taken its place.

Lip reading is a skillful and modern method enabling a deaf person to understand another by reading his lips and by using his eyes as ears.

Deaf children now share the fun that other children do. They attend the movies and can very well understand the pictures. Someone wanted to know how a deaf person acted in movies. He laughs when its funny and cries when its sad. He enjoys the thrills and excitement as any other child does. He knows how to play all the popular games as well as sports.

A deaf pupils subjects are exactly like those a hearing pupil has in public school with the exception of lip reading.

THE GREEN AND WHITE MARCHES ON!

The "Green and White" as you all know is a magazine published bi-annually by the students of the Essex County Agricultural School.

This year the board is striving to make the magazine a bigger and better one than in previous years. The "Green and White" this year contains many sections, namely literary, alumni, sports, exchange and humor. In the November issue we wish to present to you a two page section, that contains an aerial picture of the campus.

Presently the business managers are going to launch a drive for subscriptions. Why not start saving those extra pennies now and when the drive starts, give your money to the subscription collector.

D. MacD.

ECHO CLUB NOTES

On November second, Mr. Homer Huntington, who is the executive manager of the New England Egg Institute, spoke to the Echo Club, about the purchasing and using of fresh eggs.

The Athletic Committee has been organized under the direction of Mrs. Coughig and have started a cheer leading section. Janice Brown of Salem is the chairman.

The Budget committee met and discussed ways and means of raising money to meet the expenses of the coming year. After much discussion it was finally voted to sell ice cream on Mondays and potato chips on Thursdays for the time being. The following are members of this committee: Mildred Burke, Lawrence; Eileen Murphy, Peabody; Dorothy Peavey, Georgetown; Gloria Van Dine, Beverly; Alice Croteau, Salem; Mary Mulvey, Lawrence, Claire Burgess, Methuen; Rhoda Macmillan, Middleton. B. W.

FOOTBALL

We regret to hear that the football schedule has been discontinued. This season several men were lost through injuries and many more were obliged to give up practice because of work which had to take preference. Games remaining to be played when the schedule was cancelled were Saugus on Nov. 10 and Dracut on the 19th.

S. C.

Something made me write this story, not because I am deaf, but because I want you all to know what Uncle Sam has been doing for the deaf children of America and to be proud of your country along with me.

Francis Gangi, '39

H. McN., Ed.

JOINT ASSEMBLY

Mr. Harold Mostrom, opened the meeting of our first joint assembly on October 20.

The speaker of the day was Rev. Kenneth Henley of the Maple Street Congregational Church, Danvers. Mr. Henley recently toured Europe and related to us some of his experiences with the aid of moving pictures.

While in England, the towers of the Parliament buildings, the Archbishop of Canterbury's home and the Tomb of the Unknown Soldier in Westminster Abbey appeared especially to Mr. Henley.

He described Haile Selassie known as the Emperor without an empire as the most pathetic sight he saw. Having been present at the changing of the King's Guards at Buckingham Palace, Mr. Henley gave us a vivid description of that most colorful scene.

Then we traveled along with him to France, with its beautiful chateaux, inside of which love, hate, treason and much history were cleverly concealed. France need never be hindered by lack of color, its beautiful gardens surround these chateaux and the colored windows are considered works of art.

Book stalls adorn the streets of Notre Dame, which is situated along the banks of the river and is a world famous shrine of the Catholic church.

Paris is rightfully named the art center of the world. Among its famous arches, the "Arc de Triomphe" shows the friendship existing between France and England. Leaving the city we visited the celebrated battle grounds at Verdun and recalled the fighting which took place there. Belleau Wood Cemetery which was given to the United States by France forms a picture, with its monuments erected to our soldiers who gave their lives there.

From there we traveled to Sweden, here hundreds of islands in the bays require many boats and make a most picturesque scene. Walking along the streets in Stockholm, the observer would notice much old world splendor joined with modern means of transportation and life.

Sweden's beautiful park's are a center of attraction with their gardens, cafes and music. Mr. Henley added at this time that he considered Swedish girls to be home lovers and home makers.

We went to Holland where the dikes are famous protectors of the lowland. Here we also looked in on a festival dance and there the costumes presented a maize of color and quaintness.

Belgium was next on our route. This is a country that suffered much during the World War but has recovered greatly, due largely to its patriotism and civic pride. Led by the war time King Albert great strides were made. After Albert's untimely accident and death, Leopold,

F. F. A. NOTES

Essex Chapter of the F. F. A. was honored at the State meeting when three of the local members were elected to state positions. John Balzarini as First Vice-President; Robert Spencer, Secretary and Roger Coleman a member of the executive committee.

The following were awarded the Bay State Farmer Degree, John Balzarini, Roger Coleman, Robert Spencer and Conrad Nollet.

The Floriculture Club met the other day and the following were elected as managers of the coming flower shows. William French for the Christmas Decoration Show which will be held December 9, 10, 11 and 12. Frank O'Connor as manager of the Spring Flower Show which will be held on Farmers and Homemakers Day, March 22 and Dorothy Ann MacGregor as manager of the Fall Show to be held next October.

FAIRS AND EXHIBITS COMMITTEE

The sub-committee of the Fairs and Exhibits committee met the other day and voted to meet weekly to plan for the F. F. A. exhibit that will be held at the Essex County Fair at Topsfield, September 1939.

Leo Hunt was elected chairman and will be assisted on this sub-committee by Herbert Groce, Norman Allen, Maurice Roberts, Forrest Reynolds, Henry Luscomb and Henry Stephenson.

The general chairman is Conrad Nollet with Thyra Fern as Secretary and Instructors Forman, White and Miltimore as advisors.

SWIFT ESSAY CONTEST

Swift and Co., announce the 1938-39 nation-wide Essay Contest for Vocational Agricultural students. The contest closes February 1, 1939.

No definite subject is assigned, but the essay must discuss the methods employed by the meat packing business in marketing meats, poultry, eggs, butter and cheese.

If you are interested and desirous of more information, get in touch with your agricultural advisor, teacher or principal.

The prizes are as follows:

1 prize of	\$100.00
1 prize of	\$60.00
5 prizes of	\$35.00 each
10 prizes of	\$25.00 each
20 prizes of	\$5.00 each
A. J. H.	

his son stepped to the fore and carries on for Belgium. A proud little nation returns to her pristine beauty.

It was obvious by the round of applause that Mr. Henley received that the first joint assembly was a huge success.

H. McN.

MORE HONORS TO DORIS ALBRECHT

In the last issue of the Farmer we reported that Doris Albrecht of No. Andover was the winner of the first prize at the Brockton State Fair when she was awarded an Electric Singer Sewing machine. Today we take great pleasure in announcing that Doris has been awarded a trip to Chicago to compete for one of the many prizes to be awarded there November 25 to December 3.

Doris has been chosen as the All-round 4-H Club girl to represent Massachusetts at the 17th National 4-H Club Congress and International Livestock Exposition.

She has a fine record in 4-H Club work starting in 1928 when she was ten years old. Her first club was a sewing group and in May of that year Doris exhibited some of the garments she had made.

During her ten years she has completed ten years of clothing, seven years of canning, five of food and one year of homecraft.

She has held the following offices: President of a clothing club for two years; Vice-President of a clothing and food club; Secretary of clothing, food and canning clubs; and News Reporter. She has assisted in leading clothing clubs for three years and been a member of the County Service Club for four years and at present is serving her second term as secretary.

She has been awarded many prizes, last January she went to the Ski School as winner of a contest among Secretaries of Service Clubs throughout the State. In 1932 she won first prize, a trip to the County Camp for competing in a news reporting contest. In 1936 she was sent to the State Camp as County Canning Delegate and this past summer she returned to the State Camp as State Music delegate.

During her ten years she has been awarded 90 ribbons and \$56.25 for her exhibits in County and state contests and fairs.

At present she is a leader of a 4-H Clothing Club.

CLASS OF 1939 ELECTS OFFICERS

The Senior class organized on November 1, when the following officers were elected.

President, David Foss of Essex
Vice-President, Edith Skidmore, Lynn
Secretary, Hilda Brown, Peabody
Treasurer, Nicholas DiLisio, Swampscott.

The first meeting of the class with the newly elected officers was held on November 8 when plans for the coming year were made.

F. L.

LIST OF GRADUATES

This year's graduating class is the largest in the history of the school with 52 boys and 57 girls receiving diplomas and certificates as follows: Diplomats: John Kukene, Amesbury; Albert Batchelder, Norman Peatman, Andover; Robert Corneliusen, William Corning, Hope Crombie, Raymond Kennedy, Leavitt Moulton, Meyrle Shaw and Howard Wilson, Jr., Beverly; Alerson Noyes, Boxford; Frank Story, Essex; Leroy MacAloney, Groveland; Joseph Arnold, Hugo Jacobson, Gloucester; Rhea Gosselin, Stanley Prophet, Haverhill; Joseph Bergeron, John Crosbie, Norman Everett, Gerard Hamel, Charles Mahoney, Lawrence; Earl Deveau, John Francouer, Sidney Johnston, Gary Sano, Lynn; Frank Stacey, Marblehead; Myron Eastwood, Clifford Nelson, Donald Nelson, Walter Winn, Methuen; John P. Coles, Nahant; Philip Pingree, George Woundy, Newburyport; Robert Bingham, John Wilcox, North Andover; Allyn Trask, John Zielski, Peabody; Percy Curtis, Jacob Ranta, Rockport; Kar. Beal, Harold Dossett, John Fay, Paul E. Ouellette, John Munroe, Walter Tataronis, Salem; Paul Day, Saugus; Leonard Duratti, Joshua Mattered, Swampscott; Roy Ford, Paul Parker, Topsfield; Elmer Luxton, Wenham.

The girls in the Homemaking department receiving diplomas are: Olive Purdy, Ellen Wills, Ipswich; Marion Thornton, Lawrence; Ellen Pool, Lynn; Ellen McDonnell, Marblehead; Madelyn Mathison, Edith Moody, Methuen; Eleanor Hoelzel, Middleton; Frances Carty, Mary Lafond, North Andover; Lilyan Dion, Geraldine Gates, Kay Johnson, Hazel Mason, Grace Taylor, Salem; Dorothy Edmands, Katherine McLaughlin, Margaret Spinney, Betty Walsh of Saugus.

The girls receiving certificates are: Grace Mann, Lucille Peltier, Amesbury; Eileen DeTour, Winona Kennedy, Esther McKenzie, Carolyn Walker, Beverly; Marjorie Loveys, Annette Meigs, Eleanor Yerbury, Danvers; Wyntha Tompkins, Essex; Susan Ellery, Gloucester; Margaret Lawler, Alberta Redlon, Haverhill; Marguerite Donahue, Virginia Donovan, Gertrude Hennessey, Hattie Martin, Ada E. Nief, Patricia Taunton, Madelyn Torrema, Lawrence; Phyllis Cotter, Eleanor Flaherty, Ruth Nygren, Lynn; Dorothy Doerr, Pauline Graichen, Methuen; Nathalie Sheldon, Middleton; Ruth Poland, Newburyport; Rachel Kruschwitz, North Andover; Elinor Chenery, Ruth Kenaley, Peabody; Barbara Gage, Rowley; Helen Ouellette, Rita Ouellette, Frances Woodhouse, Salem; Jane Blaisdell, Salisbury; Winifred Nickerson, Saugus; Helen Corliss, Andover.

SCIENCE EXPOSITION

The Fourteenth Annual Exposition was held November 12 to 16 at the School. The Preliminary exhibition for the new students was held on November 4 with 92 students exhibiting.

Many ribbon prizes were awarded and three medals were given for the out-standing exhibits first, Gold medal to Richard Peaslee of Middleton; second, Silver medal to Burton Smith of Haverhill and third a Bronze medal to George Solomon of Lawrence.

Many prizes will be awarded at the Science day assembly at this time of writing the list of winners is not complete as the identification contest are still going on. The complete list of winners will be reported in the December issue.

Special awards will go to Conrad Nollot of Andover, for best exhibit Related to the Control of Animal Diseases.

Best exhibit Related to Animal Breeding goes to John Balzarini, Rockport. Best exhibit related to Vegetable Gardening to Joseph Scoulie, Lynn; and best Herbarium to Edward Mitchell from Lynn.

The Plaque symbolizing a noteworthy achievement in the field of Science and given for the Best exhibit of the Exposition goes to Robert Spencer of the class of 1938 from Danvers.

EXTENSION NEWS AROUND THE COUNTY

Classes in Home Hygiene are being held in Marblehead, Newburyport, Peabody and West Boxford under the direction of Mrs. Mary E. Roundy, R. N.

Food classes are being held at the home of Mrs. Charles Sweetser in South Groveland; Mrs. Parker N. Nason in West Newbury; Grange Hall, Newbury and at Marblehead.

Classes in Upholstering, rug and coat making are being held in Danvers, Middleton and Clifton under the direction of Mrs. Mary M. McIntire.

On December 1 and 2 Miss May E. Foley, State Nutritionist will meet with a group of young mothers of Marblehead and West Newbury to discuss the buying of canned foods and other packaged foods, also bulk foods.

Prof. Arnold W. Davis is to be in the County December 9th and 13th. These meetings will be held in Gloucester and Georgetown and those attending will have a chance to get new ideas for the use of Christmas Greens.

Mary M. McIntire,
Home Demonstration Agent

GARDEN CHAT

Excellent growing weather since the hurricane has helped much to pull the late crop through. Spinach has grown outstandingly well where additional nitrates were applied. The excessive rains leached out the available plant food and left only small amounts for the plants to use.

Several calls have come in requesting information on the results obtained by the use of Rotonone, etc., on the control of corn borers. In the tests carried on at school the following dusts were used: Rotonone, Kubatox and Dual Fix Nicotine. The first application was made several days after the recommended date of June 15th because corn borer eggs were not noted for several days later and were repeated weekly for four successive weeks.

Four different trials were followed on four different plantings. The later the treatment was applied the less effective was the result. The results from the use of the different ingredients varied but little. On some plots the Rotonone or Kubatox showed a slight benefit over the Dual Fixed Nicotine, while on other plots the results were reversed.

The important thing in controlling corn borers is to have the controlling material or poison in the sheaths of the leaves or whorls when the larvae are feeding just prior to boring into the plants.

The recommended control for corn borers, as suggested by the college, was: "Apply the poison as soon as first eggs hatch, usually about June 15th. Make four applications at five-day intervals. Direct the spray or dust into the central whorl of leaves to fill the center cup."

Now is the time to clean up the weeds, cabbage stumps, tomato vines, etc., and compost, or bury and burn. This material makes excellent places for insects to crawl in and winter over.

If you plan to compost, apply several pounds of lime to each layer of material as it goes into the pile. This will help to rot down the vines, etc. and also furnish you later with a moisture that will be alkaline and not acid.

If you are storing vegetables this Fall, you may be disturbed by your products not keeping too well. There will be a tendency in view of the past season for vegetables, etc., not to keep too well. Greater care will be necessary to watch your temperatures, ventilation and humidity which are the three essential factors to consider in storing produce.

C. M. Stearns

4-H DAIRY PROJECT

The 4-H Dairy club with over 50 members and parents met for the Annual Achievement meeting in the West Newbury Grange Hall. The supper was prepared and served by the parents of the dairy club members. A program of speakers and the awarding of prizes brought to a close the first successful dairy club year since 1933.

Plans were made for the coming year with bimonthly meetings of all the dairy club members in the County. It is also planned to have a County judging team and to establish a 4-H Dairy Show at the Essex County Fair next fall.

The dairy project made a remarkably good start last year. In all there were 39 club members enrolled and keeping records. Among these however there were only six purebred animals actually owned by club members.

The purpose of the Dairy Club project is to encourage 4-H Club members to own and raise better dairy animals. We hope through the cooperation of the dairy breeders in the county our club members will be able to secure some well bred calves as foundation for a future herd.

The Dairy Project is divided into three parts:

1. Calf Club

The calf club project is based on feeding and caring for a calf (a pure bred if possible) that is owned by the club member. A record must be kept of all expenditures and age of animal. The animal must be shown at Fair if possible. Prizes will be awarded for the shows and for the best job of raising the animal.

2. The Bred Heifer:

Records must be kept on all feed and care of the heifer, etc. Heifer may be exhibited at fairs if possible.

3. Milking Cow:

In this project the club member shown own or be allowed to keep milk production records on one or more dairy animals. The milk is to be weighed at least three days out of a month and recorded. A composite sample of milk is to be taken and sent to this office to be tested. Prizes will be awarded monthly for the highest production of milk and butterfat. Miscellaneous Activities for Dairy Club Members:

Judging—Each year the county will be represented at the various state judging contests with a dairy judging team. This is an opportunity for opportunity for dairy club members to learn more about dairy animals and to associate with other 4-H dairy club members.

Demonstration Teams—A trip is awarded to the National Livestock Show each year to the state team which has won that honor for the best demonstration.

State Dairy Day—One day is set aside each year for all the 4-H Dairy Club members to gather at the State

4-H SERVICE CLUB

The Essex County Service Club has participated in the State wide Enrollment Campaign, so far they have enrolled over 40 new members with several more prospects.

These new members will be officially initiated at the regular meeting November 18.

This is a real live organization with a program of interest to every older club member. The club is working for the betterment of 4-H club work throughout the County.

One of the most interesting features of their program is the banquet they run to honor the club members who have completed their fifth year of club work. This year the banquet will be held Thursday, December 29. All five-year members are urged to attend as well as local leaders and parents.

Horace J. Shute,
County 4-H Club Agent

MUSIC

"Music washes away from the soul the dust of everyday life".

This is a statement which every 4-H Club member believes in and practices at their club meetings, 4-H young folks sing for the joy of singing. They sing National 4-H Club songs, old time favorite and folk songs.

This year music has taken a forward step in 4-H club work. Greater interest has been shown in the music appreciation program, "A Musical Journey Around the World". Training in song leadership has been given to many members and leaders, a set of programs for a 4-H music project written, and a new Extension Service Song Leaflet prepared for distribution to the clubs. Be sure you send your order in to the County office for this material for your 4-H boys and girls to use at their meetings, as soon as possible.

The National 4-H Music Appreciation Program will be presented through the year with broadcasts the first Saturday of each month 12:30 to 1:30 Eastern Standard Time, over the N. B. C. Stations. The theme will be "Stories Told by Music".

Don't forget to tell your club members about the program in order that they may listen in.

Helen Walker,
Asst. Club Agent

College in Amherst. These contests in judging, rope tying, demonstrations and activities of interest to all dairy club members.

HIKING

"Hike for Health" is the Health H slogan for the Massachusetts 4-H Clubs in 1939. Health work is not a separate project but is a necessary part of every 4-H program.

Every boy and girl loves to hike so it ought to be easy to do a great deal of work this year towards improving the health of our 4-H club members. Hiking is a grand sport and may be enjoyed alone, with a companion or with a group of friends. 4-H Club leaders and members—Let's have for a goal this year: At least one hike! It may be through the woods, to a point of historical interest, to a nearby mountain hill or park or it may be to a spot where the boys and girls may have a cook out.

Points For the Leader

1. Every hike should be a definite goal. There must be a combination of exercise with elements of relaxation and pleasure.

2. Avoid busy highways and congested areas. Arrangement should be made beforehand in cases where permission to cross property is needed.

3. A whistle may come in handy.

4. Secure consent of parents before taking children on a hike.

5. Know definitely the destination, route and length of time needed to go and return.

6. Have a knowledge of available water supply.

7. Set a pace at which all are having the greatest enjoyment and comfort. One should keep close account of those that are behind. It is often necessary to make frequent stops so that they can catch up. A shady nook or hilltop is always an inviting spot.

Conservation is to be a part of every 4-H Club program this year also. Birds are the subject for study. With hiking as the health activity and the study of birds as the conservation activity, it should not be difficult to plan many programs which will combine these. There are many birds that stay with us the year round, why not a bird walk some sunny day soon.

POULTRY CLUB NOTES

The 4-H Poultry clubs are being organized this month throughout Essex County.

The Red Rooster Club of Saugus was the first to be organized under the leadership of Mr. Walter D. Blossom and Paul Corson as assistant club leader. This club is going into its seventh consecutive year, with the largest enrollment it has had. Other clubs were organized in East Boxford, West Boxford and Haverhill.

The requirements for the Poultry project are that each boy either own or care for a flock of 10 birds or more. Keep the feed records and egg record and report the number of eggs laid each month to the County Club Agent.

ESSEX FARMER AND HOME MAKER

VOL. 20

HATHORNE, MASS., DECEMBER, 1938

NO. 12

The Care of Christmas Plants

Growers of plants for the Christmas holiday season have exercised great skill and been to considerable expense to provide us with living decorations for our homes. A plentiful supply of a number of kinds of colorful Christmas plants is available at greenhouses and flower shops everywhere and we would do well to include at least one plant among our decorations.

Having acquired a living Christmas plant by gift or purchase, it is but natural that we should give it our best care in order that it may continue to cheer our rooms for many a week. In general all plants respond to as moist a house atmosphere as we can possibly produce by means of teakettles, register and radiator pans and moist material below the pots. Charcoal, coke, cinders, moss or a piece of thick pulpy wall insulation are invaluable in the plant saucer, jardiniere and window plant tray. The pot is kept moist and moist air arises about the plant. Free water, however, must not reach the bottom of the pot.

Cyclamen, that have taken fifteen month from seeding, are the most lasting and with occasional dampening of the foliage and careful watering will continue to throw flowers at least until March.

Cherries and Begonias, (twelve months to grow) seem to be the most fleeting and must be given sunshine, moist air and a temperature as much below 68 degrees as possible.

Poinsettias (from four to six months old) have naturally reached the end of a season's growth when they display red bracts about their insignificant flowers. They are ready to shed their leaves for a well deserved rest until April. Then water once thoroughly, set in sunny window and await results. Add more water as new growths appear. While resting keep barely moist in a warm light room.

Christmas plants must have constantly moist soil, not heavily saturated, for this only smothers and rots the roots. If plant is not too large to handle place in a deep sink or basin of tepid water for several minutes and then drain. Keep Christmas Cherries, Winter blooming Begonias and Cyclamen in cool (55 degrees - 60 degrees F.) rooms; Christmas Peppers and Poinsettias

(Continued on col. 3)



William E. Sanford

foreman at this school for the past twenty-one years, retires from his duties on December 31, much to the regret of all his associates. Mr. Sanford has given unstinted service to the county and his intimate acquaintance with Essex County farms and farmers has been of great value to the school. He is constantly on the alert to help others and always manifests a sincere interest in everything pertaining to the welfare of the school and Essex County. Mr. Sanford is held in high esteem by hosts of friends who regret his retirement from active participation in the affairs of the school.

He was born in Marblehead where his father John B. Sanford operated a 15 acre farm on Village street. He attended Marblehead Academy and also studied at French's Commercial College in Boston. At an early age he learned to grow vegetables and followed the practice of saving seed from the best specimens. That he realized a good profit is shown by some of the bills of sale. One dated as recent as February 26, 1912 quotes prices of 200 lbs. Carrot Seed Danvers Half Long @ \$3. per lb. or 100 lbs. at \$3.50 per lb.

When about ten years of age Mr. Sanford began working for Mr. James Gregory, the noted seedsman of Marblehead, on land now occupied by the Sorois farms. He worked for Mr. Gregory for several years and also helped his father on the Village Street farm. These farms specialized in raising vegetable seed and he became thoroughly familiar

(Continued on page 2, col. 2)

Picnic Trays For Christmas Gifts

At Christmas time most of us find it difficult to fit our gifts into a limited budget, which we all must plan for at this season of the year.

However, by taking thought much more can be accomplished than at first seems possible.

How about giving some picnic trays, to that friend who is always planning picnics at home and abroad?

First we will visit any one of our five and ten stores, here we will purchase as many cookie sheets, of the desired size, as we need. Then we meander over to another counter and buy some small cans of brilliant colored paint, also one of black, as the black tray adds character to the lot. Purchase also two or three small brushes.

On the way home we buy some white shellac. Now for the fun — Home we go — into the cellar — attic or wherever we plan to do our painting.

Paint the underside of the pan first, allow it to dry, turn and paint top side. At this point cut from old magazines motives which look pretty. Here one can let their imagination run riot with ideas of all kinds. Paste the motive on the top of the tray where it will look most attractive. Shellac top of painted pan after motive has dried.

Allow trays to thoroughly dry, do each one up in white tissue paper, then the set in attractive Christmas paper with a huge bow. Stick on a "Do not open 'till Christmas" all the little seals you can find space for. Won't she be surprised! Wonder what's in that package. It looks so prosperous and expensive. When the picnic lover opens up this package she will adore these lovely colorful trays and they will be of real use to her for many years to come.

To the readers of our Farmer and Homemaker, Merry Christmas and Happy New Year.

Myrtle R. Dunn

(Continued from col. 1)

in warm (65 degrees - 70 degrees F.) situations.

All Christmas Plants will prosper in full winter sunshine.

Fresh, warm, moist air and sunshine are as beneficial to living plants as to human beings.

H. Linwood White

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
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CALENDAR

Dec. 16 — Goat Breeder's Meet at ECAS.
School closes for Holidays.
Dec. 21 — 4-H Annual Banquet for 5 year members at ECAS.
Dec. 25 — CHRISTMAS DAY.
Jan. 1 — NEW YEAR'S DAY.
Jan. 3 — School reopens.
Jan. 4, 5, 6 — Union Agricultural Meeting in Worcester.
Jan. 7. — Boston Market Gardeners meet at ECAS.

JAMES D. BENTLEY ESQ.

On November 22, 1938, James D. Bentley Esq. was appointed as County Commissioner, to fill the unexpired term of the late Robert Mitchell, who recently passed away. This appointment makes him automatically a member of our Board of Trustees.

Mr. Bentley is known to his intimate friends as "Dick Bentley", and is well known not only in Essex County but throughout the State, having served for eighteen years in the Great and General Court of Massachusetts. For more than fourteen years he has served the town of Swampscott as a member of the Town Committee and for a number of years as chairman of this committee.

M. R. T.

WILLIAM SANFORD

(Continued from page 1, col. 2)

with the best farm practices of those days.

When the need for more acres became apparent both the Gregorys and the Sanfords moved to Middleton purchasing land west of the school.

Mr. Sanford's father bought the Wilkin's farm bordering Gregory Street and Ipswich River. Our Mr. Sanford was then eighteen years old and quite able to hold his own with the best hands on either farm. The Gregory seed farm carried on an extensive seed business employing forty men and using five pairs of oxen and the same number of horses to do the farm work.

From 1884 - 1917 he carried on the work his father had so ably started. Farming during those years was highly competitive and the abundance of the western farms was affecting the eastern agriculture. Grain production was becoming less profitable to eastern farmers and seed production in the east met with strong competition. Farming was also changing from hand industry to the use of machines. Mr. Sanford moved forward with the changes taking place in agriculture.

During the period of the world war, an Emergency Committee engaged Mr. Sanford to grow seed, thus assuring a supply of good vegetable seed. In 1917 when Director Smith and the Board of Trustees were looking for a man who was thoroughly acquainted with agriculture they turned to Mr. Sanford and the subsequent events have proven that their judgement was sound in selecting him for the position of farm foreman, which he has so ably filled.

Mr. Sanford retires December 31, and it is his earnest hope that he has passed on to others some of his knowledge based on an experience in agriculture covering a period of sixty years.

It would be interesting to know the number of persons who have received the benefit of his wide experience. In addition to the 1200 graduates and 2000 former students of the school who have been guided by his advice, there are countless farmers who have been helped in one way or another, surely his retirement will be keenly felt by his host of friends.

G. E. Gifford

At the fall party of the Essex Aggie staff, Mr. William Sanford was the honored guest at dinner. Following the dinner an easy chair was given to him by his associates and a bouquet of chrysanthemums was presented to Mrs. Sanford.

It is the hope of the Staff at Essex Aggie that Mr. Sanford will enjoy many happy hours in this chair.

WINTER PLAY SUITS

A play suit for everyday wear has become a definite part of a child's wardrobe. Many mothers like to make the play suits rather than purchase the readymade ones. The experienced shopper has learned, of course, that the heaviest fabrics are not necessarily the warmest. The ability to shut out wind or dampness and hold a layer of air next to the body is what makes a fabric warm. Good play suit fabrics are flexible and pliable enough not to hamper the movements of the child. Neither will they prickle or irritate the skin at the neck, wrists, and ankles.

These suits must be durable and cleanable. Wool fabrics are satisfactory but some of them have to be dry-cleaned. Some mothers use two play suits, one over the other. The outer one is selected for its ability to turn wind, rain or snow, but one must be careful to see that it is lightweight and washable. The inner suit is selected to add warmth, it is possibly of wool, and can be omitted on milder days.

The Bureau of Home Economics of the U. S. Dept. of Agriculture recommends for children between 2 and 6 years the one-piece, unbelted loose-fitting play suits. This will not pull apart at the waist and let in the cold as do the two-piece suits with the waist-length jackets. These suits should have ample room so as not to hinder the wearer in climbing, stooping and bending. Boxing through the crotch and dart tucks set in below the waistband and at the side seams in line with the bend of the hips provide the necessary room. Trousers must have extra width and length in the seat, with wide roomy legs bloused over stretchy knit bands at the ankle. It is a good plan of course to allow for some growth in the child.

If any of you are interested in a class of instruction in making play-suits for your children, communicate with Mrs. Mary M. McIntire, Extension Dept., Essex County Agricultural School, Hathorne.

BOSTON MARKET GARDENERS TO MEET

The Boston Market Gardeners will meet here at Essex Aggie on Saturday, January 7. The meeting opens at 10:30 when they will have an opportunity to visit the various departments of the school.

A Buffet lunch will be served at 12:30 followed by a talk by Prof. Robert Young of the Field Station. He will take for his subject, "Soils, Fertilizers and Lime". The annual Blue Hubbard Squash contest will be held as usual.

Any Market Gardeners in the County who are not already members of the Association are most cordially welcome to attend this meeting.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

DECEMBER, 1938

STUDENT EDITORS

Homemaking Department

Dorothy MacDonough '39 Beverly
Bertha Robblee '39 Salisbury
Dorothy Peavey '40 Georgetown
Barbara Weston '40 Methuen
Barbara Roberts '39 Lawrence
Helen McNeil '39 Salem

Agricultural Department

Aubert Giles '39 Danvers
Arnold J. Hebert '40 Saugus
Albert Greenaway '39 Marblehead
George Georgantias '39 Lynn

F. F. A. Reporter

Andrew Kelley '39 Nahant

ECHO CLUB CHRISTMAS MEETING

On Wednesday, December 14, the Echo Club will hold their Christmas meeting. One of the groups of Bell Singers from the Lothrop Club, Beverly will be the entertainers.

We are quite fortunate in being able to hear these bells which are noted for their quality. Two groups of songs will be given by the ladies, many of them Christmas Carols.

Miss Clarke will give two Christmas stories, "The Emperor's Vision", by Selma Lagerlof, taken from her book entitled "Christ Legends". The second will be a German Legend.

H. McN.

CHRISTMAS CANDIES

As we are now approaching the Christmas season, the Foods Classes of the Homemaking department are learning to make candy which always can be used at home or given away as Christmas presents. The girls are encouraged to do this type of work as a home project.

All classes are making fudge and penuche. In addition, the Freshmen are making several kinds of uncooked candies. The Juniors are making molasses and hard candies. They are also learning to salt nuts. The Seniors and High School classes are busy with fondants, caramels and divinity fudge, as well as with nuts.

The candy which the girls make in classes is saved and packed in individual boxes, which are made in the art classes and each girl is given a box to take home before the Christmas holidays.

B. R.

F. F. A. NOTES

The plays and entertainment committee of the Essex Chapter F. F. A. will sponsor a Christmas party in the form of an amateur show and dance on December 16. The Essex Chapter has invited the Echo Club to be their guests on this occasion.

Members of the Essex Chapter voted to enter the National Chapter contest of the Future Farmers of America. The contest is held each year by the National organization of Future Farmers to determine the outstanding chapters based on their achievements in various fields of work.

William Corning and Robert Corneliussen of Beverly, members of the class of '38 spoke over Radio Station WLAW, November 29. They told of their summer project work, on Tuesday, December 27, Ernest Thayer will speak on his recent trip to Kansas City, Mo., where he attended the National Convention of the F. F. A.

FIRST TERM HONOR ROLL

The first term honor roll for the Agricultural Department of the Essex County Agricultural School has recently been released and is as follows:

Seniors: Albert Greenaway, Marblehead; Robert Spencer, Danvers; John Balzarini, Rockport; Aubert Giles, Danvers; Roger Coleman, Beverly; Nicholas De Lisio, Swampscott; David Foss, Essex; George Georgantias, Lynn; Conrad Nollet, Andover.

Juniors: Henry Cecelski, Salem; David Irons, Salem; Donald Herron, Salem; Martin Sevoian, Methuen; E. Mitchell, Lynn; Robert Nichols, Lynn; Francis O'Connor, Lynn; Robert Chabot, Haverhill; Algerd Ramakka, Haverhill; Robert Sprague, Peabody; George Pelletier, Newton Henriksen, Lawrence; Warren Nelson, Methuen; Arnold Hebert, Saugus; Stafford Knight, Salem.

High School Specials: Dorothy McGregor, Boxford; Thyra Fern, Newburyport; John Bailey, Saugus; Henry Britton, Rowley; Henry Lay, Merrimac; Richard Powers, Frederick Emerson, Burton Smith, Haverhill; John Riley, Nelson McLoon, Stanley Dyleski, Thomas Vielgolaski, Lawrence; Howard Bacon, Lynn; Joseph Poulin, Salisbury; Warren Brown, Salem; Edward Freeman, Beverly; Raymond Maxwell, Parker Gifford, Middleton; Albert Hitchman, Peabody.

Freshmen: Robert Braddock, Peabody; George Pelletier, Lawrence; Robert Gagnon, Lynn and Richard Peaslee of Middleton.

Homemaking Department

Seniors: Ada Marsland, Methuen; Grace Raimy, Methuen; Edith Sharp, Methuen.

High School Division: Helen Andrews, So. Essex; Elsie Belnaves, Peabody; Hilda Brown, Peabody; Betty Canty, Salem; Evelyn Chase, Newburyport; Lois Edwards, Beverly; Jean Knowles, Beverly; Dorothy MacDonough, Beverly; Gloria VanDine, Beverly; Bertha Robblee, Salisbury.

Juniors: June Agersca, Saugus; Edith Campbell, Marblehead; Barbara Weston, Methuen.

Freshmen: Ilene Briggs, Beverly.

B. R. R. & A. G.

JUNIOR CLASS OFFICERS

Recently the Junior class met and organized the following were elected to office: President Arnold Hebert of Saugus; Vice-President, Alice Cadoret, Methuen; Secretary, Eleanor Taylor, Methuen; Treasurer, William French, Lynn; Asst. Treasurer, Mary Maklae of Peabody.

FLORICULTURE CLUB NOTES

The Floriculture Club has held two meetings of interest that have not been reported. The officers elected for the 1938-39 season are President, Robert Spencer; Vice President, William French; Secretary-Treasurer, Thyra Fern; Program Committee, Robert Craven, John Draper and Aubert Giles.

The Show Managers are: Christmas Decoration Show, William French; Spring Flower Show, Frank O'Connor and Fall Flower Show, Dorothy Ann McGregor.

At the meeting of the Club this week Charles Donovan of the firm of "Donovans of Saugus", florists and nurserymen gave a demonstration of the making of Christmas decorations. Charles Donovan is a former student of the school.

The Senior Floriculture class visited the greenhouses of Thomas Roland Inc., of Revere on December 7 and made a study of wholesale buying and selling. They visited the immense houses full of Roses, Gardenias as well as the houses full of Poinsettias, Easter Lillies, Christmas Peppers and Cherries.

On December 14 they will make an all day trip to the Boston Flower market, then visit some of the retail florist stores.

The Juniors are planning to visit the Thomas Roland Inc. house soon.

William French of Lynn, a member of the Senior class, entered an exhibit of woodcraft in the Christmas Green Show, held at the School December 9, 10, 11 and 12.

Among the articles exhibited by French were door-stops, toothpick holders, table mats, tumbler coasters, jigsaw puzzles, birch log table centers, candlesticks and lampstands.

French has gone into this type of work quite extensively and has been fortunate in selling some of them.

HOMEMAKING DEPARTMENT LIBRARY

The Homemaking Library is a branch of the main Essex County Agricultural School Library and is located in the Homemaking building. It consists of about three thousand books. During the day over five hundred books are handled by the four student librarians.

The library is run on the day system, whereby any book taken out on any day is due the next school day. Everyone is given a library card and is allowed to take out one book in each subject as well as a fiction book.

A charge of two cents a day is made for overdue books and if the library card is lost, a charge of five cents is made for another. By having these charges the books are handled more carefully and are returned more promptly.

The girls who work in the library are Edith Skidmore of Lynn, June Agersea of Saugus, Mary Maklae of Peabody and Eleanor Taylor of Methuen.

Several new books have been added to this department library recently. Books on Foods include:

"Receipts at Modern Cost" by Constance Hart.

"Foods" by Harris and Henderson.

"The Joy of Cooking" by Rombauer.

"Food for the Family" by Wilmut and Batjer.

"Everyday Foods" revised by Harris and Lacey.

In English there are:

"Choral Speaking and arrangements for the upper grades" by Louise Abney.

"Americans All" by Heydrich.

In Fabric Study there are:

"Textile Fibers and Their Uses" revised by Katherine Hess.

"Textile Fibers, Yarns and Fabrics" by Bray.

Many new science books were added:

"Our Environment, Its Relation to Us" by Carpenter and Wood.

"Our Environment, How We Adapt Ourselves To It" by Carpenter and Wood.

"Our Environment, How We Use and Control It" by Wood and Carpenter.

"Science for Today" by Caldwell and Curtis.

"Senior Science" by Bush, Ptacek, Kovats.

"General Science" by Snyder.

"Problems in General Science" by Hunter and Whitman.

"Science by Observation and Experiment" by Webb and Beauchamp.

In the Social Studies work there are:

"Problems in American Democracy" by Patterson, Little and Burch.

"The Social World and Its Institutions" by Quinn.

"National Government and International Relations" by Magruder.

"Building Citizenship" by Hughes

GRADUATION

On Tuesday, November 22, the twenty-third graduation of a class from Essex Aggie was held. Over one hundred students were in the class.

The guest speaker was Dr. Bancroft Beatty, President of Simmons College who brought a stirring message and challenge to the students.

The high point of interest at each graduation is the awarding of the various prizes. The Mrs. Ralph S. Bauer prizes were awarded to Ellen May Wills of Ipswich, first prize; second went to Barbara Gage, Rowley; third was divided between, Madelyn Cady and Ada E. Nief both of Lawrence; fourth to Edith Skidmore, Lynn and fifth to Grace Mann of Amesbury.

The judges for these prizes were Mrs. George Hodsdon of West Gloucester, Mrs. Hugh Cregg, Methuen and Miss Marion Parker, Beverly.

The Mr. Bauer prizes were awarded to: first prize was divided between Robert Corneliusen and William Corning both of Beverly; second to Albert Greenaway, Marblehead; third, Clifford Nelson of Methuen and fourth to Conrad Nollet, Andover.

The judges for these prizes were Conrad Tronerud, Topsfield, Archer Pierce, Peabody and William Carleton of Danvers.

Krasker English Medal went to Grace V. Taylor, Salem and Rhea Gosselin of Haverhill, a member of the Agricultural department.

The Alumni award to Lilyan Dion, Salem and Philip Pingree, Newburyport.

The Balfour prize to Ellen Wills and Jacob Ranta, Rockport.

The Wheaton award to Alerson Noyes of Georgetown.

Howard P. Wilson, Jr., president of the class presented the class gifts which were a strip of sidewalk on the campus, framed pictures of the class of 1938, to be hung in each building and the rest of their money to be used toward a new field house at Bauer Field. This money is to be used to aid the Student Loan Fund until such a time as the field house is built. David Foss, president of the Senior class accepted these gifts for the school.

"The Life and Work of the Citizen" by Hill.

"You and Your Work" by Cohen

"My Worth to the World" by Capen and Melchior.

Clothing Books are:

"Art in the Home and Clothing" by Trilling and Williams.

"Modern Clothing" by Baxter and Futzke.

For consumer information new books include:

"Consumer Goods: How to Know and Use Them" by Reich and Siegler.

"When You Buy" by Trilling and others.

BASKETBALL

The season for Basketball is well underway with about twenty-five candidates out every afternoon. The program inaugurated last season will be continued this year. There will be two teams representing our school. The High School group will be composed of players less than nineteen years of age, while the older boys make up a Prep team, so called.

Som of the veterans are Kelly, Dalrmyple, Draper, Lynch and Sprague. This material surely ought to give our coach a good start. Most of the burden will lie on Larry Kelly's shoulders this year.

The Prep team was hit hard by graduation. Cecelski and Georgantis, two capable players are returning to keep up last year's good showing. The new players out for the teams are Landry, Theodore, Lee, Gifford, Smith, Broderick, Scouler, Lane and LaBranche. We hope for a successful season for both teams. G. G.

MR. FELTON ENTERTAINS THE F. F. A. MEMBERS

At the second general meeting of the Essex Chapter F. F. A., Mr. Felton of Harper's Garage (Ford Motor Co.) of Beverly presented two educational films which proved very interesting to the members present.

The first film entitled "Adventure Bound" showed how much more interesting it was to see our own country first, especially Colorado with its Grand Canyon and Rainbow bridge. The second film was "Safety Glass", made by "Ford". It showed its ability to withstand shock of most severe blows which are usually received in an accident.

The process of making this glass was shown from its crude substance, and, up to its final stage of safety glass. The Essex Chapter has dispatched a letter of thanks to Harper's garage for their courtesy in showing these films.

R. W. C. '39

ALUMNI NOTES

Ellen McDonnell '38, Student at Miss Farmer's School of Cooking.
Olive Purdy '38 Student at Boston School of Domestic Science.
Edith Moody '38 Employed by the River-view Grill, as cook, in Methuen.
Jane Blaisdell '38 Student at Atlantic Union College, South Lancaster.
Elinor Chenery '38 Employed at the Peabody Steam Laundry.
Susan Ellery '38 Student at Framingham State Teacher's College.
Eleanor Flaherty '38 Student of Physical Education at Posse Nissen School.
Ruth '38 and Betty Poland '36 Opened Mary Adams' Candy Shop, Newburyport.
Hattie Martin '38 Has her own Dress-making Shop at home.
Wyntha Tompkins '38 New Hampshire State University at Durham.
N. H. Margaret Spinney '38 Employed in a dress factory in Lynn.

LET'S MAKE FUDGE THE PROFESSIONAL WAY

Most girls and women make fudge of one sort or another and it turns out, often very good, but sometimes is rather poor and disappointing. Good fudge is creamy, is without the slightest graininess. To secure the rich, creamy, delicious fudge which professional candy-makers turn out, the following rules must be followed.

1. Use a wooden spoon for stirring.
2. If brown sugar is to be used, roll it out and sift, to free it of lumps.
3. Stir with a slow back and forth motion, so as not to splash syrup up on to the pan.
4. Keep fire low and stir until all sugar is entirely dissolved before letting boil at all.
5. After syrup boils, stir only occasionally to insure syrup from sticking on bottom.
6. As syrup boils, wipe off any crystals which form on sides of pan, with a damp brush. If a brush is lacking, just wrap a clean piece of cotton around a fork.
7. Pour cooked syrup on to marble to cool. If you have no marble, a large platter, well chilled in ice-box, will do very well.

With the above rules well in mind you may be sure of success in using following recipes, one for Chocolate Fudge and the other for Brown Sugar Fudge (Penuche).

Sour Cream Fudge

- 2 sq. chocolate.
 - 2 cups sugar.
 - 2/3 cup cream, sour.
 - 1 tsp. vanilla.
 - 1/3 tsp. salt.
 - Nuts or marshmallow as desired.
- Pinch of cream of tartar may be used with sweet cream.

Melt the chocolate in saucepan over hot water, add sugar, and when well blended add sour cream slowly. Stir and bring slowly to boiling point, and boil without stirring to 234 degrees F., or until a soft ball is formed when a little candy is tried in cold water. This will not hold shape but you can pick it up.

Pour upon a marble slab or platter, slightly moistened by having been wiped over with a piece of damp cheesecloth, and leave undisturbed until cool. Add vanilla and salt, work with spatula or wooden butter paddle until mixture is thick and creamy, then knead with the hands until smooth. Roll out one fourth of an inch thick, or put in a pan and cut.

This fudge may be melted by stirring in a saucepan over hot water. When poured on a loaf cake it makes delicious frosting. This is a particularly good fudge and will keep soft and creamy a long time.

ANNUAL MEETING OF THE ALUMNI

For the first time in twenty-three years the Alumni Association held its annual meeting, dinner and dance away from the School. Nearly 200 attended the meeting held at Hotel Manger, Boston on November 22.

Following the dinner the Class of 1928, which was celebrating its tenth anniversary had a large birthday cake which was cut by Instructor Carlton M. Stearns. The Class Advisors, Mrs. Clapp and Mr. Stearns were the honored guests of this class. Mrs. Clapp was presented with a lovely handbag while a pencil was given to Mr. Stearns.

At the business meeting Nathan Hale formerly of Rowley now residing in Woburn and a member of the Class of 1928 was elected President. Viola Shute '29 of Methuen was elected Vice President from the Homemaking department and Eric Bergstrom '23 of Lynn, elected Vice President from the Agricultural department. Kay Johnson '38 of Salem was elected to serve for three years on the executive committee. Those re-elected were Horace J. Shute, secretary-treasurer; Winslow Dannels and Richard Murray to the executive committee.

Dancing followed to the tunes of Sid Laws orchestra.

DEATH

Funeral services for J. Roy Osborne were held at the Middleton Congregational Church, Tuesday, December 6. Roy was a graduate of this school class of 1920 and he had many friends among the alumni. We extend our sincere sympathy to his wife, parents and children.

Brown Sugar Fudge or Penuche

- 2 tablespoons butter.
 - 2 cups brown sugar.
 - 1 cup white sugar.
 - 1 cup thin cream.
 - 1 tsp. vanilla.
 - Few grains soda.
 - 1/4 tsp. salt.
 - 1 cup coarsely chopped nut meats.
- Melt butter, add sugars, cream and soda. Stir until sugar is dissolved, bring to boiling point and boil to 240 degrees F., or until candy will form a firm ball when tried in cold water. Stir occasionally to prevent burning. Remove from fire and pour on a marble slab sprinkled with cold water. When cool add salt and vanilla and work with a spatula until creamy as for fondant. When firm knead in nut meats and place between bars or in pans and when cold cut in squares. For Cocoanut Penuche use 3/4 cup shredded cocoanut in place of nut meats.

Bessie H. McJunkin

GARDEN CHAT

Although parsnips are not rated as important among commercial vegetables there are many folks who enjoy this root. The parsnip was known to the ancient Greeks and Romans. It was largely used for its medicinal virtues in days gone by. Records have this vegetable listed as far back as 1542 in Germany, and history hands down the information that the early colonists brought the parsnip to America. The northern portions of the United States furnish the most adapted climatic conditions for its production, — hence Massachusetts is one of the high producers of this vegetable.

Receipts and Sources of Boston Food Supply for 1934 as compiled by the Massachusetts Department of Agriculture indicate that approximately 135 cars of parsnips went through the Boston Markets. Most of this supply were native grown.

Deep, fertile soil will grow the best roots. As it takes the entire season to grow a crop of parsnips to maturity, a good supply of organic matter should be available to apply to the land before planting or about a ton of a 5-8-7 fertilizer per acre.

Hollow Crown or Model have proved to be good varieties. From three to five pounds of seed are used per acre and the seed is sown in 14 inch rows about 1/2 inch deep. The seedlings are thinned to 2 - 4 inches apart, depending on soil conditions. Frequent cultivations should be practiced until the leaves cover the ground but should be made when the leaves are dry. Many are susceptible to a parsnip rash when moisture is present.

Parsnips continue to grow until late Fall when hard frosts or freezing sets in. The roots can be plowed or dug out and stored in a similar way to the other roots as outdoor bank or pit, root cellar, etc. Parsnips may be left in the ground over Winter until Spring at which time some folks feel that they eat at their best. The apparent alternate thawing and freezing aid in breaking down some of the tissues of the root core and thereby make it cook more tender and sweet. Many times when the roots are stored in the cellar they dry out and the center core becomes quite woody or corky.

The yields of this vegetable average as high as for carrots. To those who enjoy parsnips, a great treat is in store when served with plenty of butter, salt and pepper.

Leaflet No. 154 U. S. D. A. "Production of Parsnips" will furnish information on the growing of this vegetable.

C. M. Stearns

4-H Club Notes

THE RED ROOSTER 4-H POULTRY CLUB

The Red Rooster 4-H Poultry Club of Saugus was organized five years ago. The average enrollment has been nine members. We have a club advisor in Walter B. Blossom, while I have been club leader for three years. As Mr. Olsson says, "We endeavor to build a well balanced program". Ours is divided into nine parts; oral reports, demonstrations, short hikes and trips, contests, speakers, music, recreation and refreshments, annual banquet and annual trip.

I might explain a few of these. Each month a hike is held to some poultry plant or to some other place of interest. This year the 4-H health program "Hike for Health" will be linked with these monthly trips. Last year the health program was "Posture", so the boys checked on that.

For speakers we select a variety so that the boys will get other subjects than poultry. Three reports a year are required of each member, two of which may be poultry and the other on some other topic.

One of our members plays the violin. He with the assistance of a pianist, teaches the numbers for the state 4-H music appreciation program.

Our annual banquet and exhibit really comprise the community project of the club because the main purpose is to stimulate 4-H club work in the town. We usually have more than 150 people at these affairs. The annual trip is usually a week-end trip to the State College in Amherst.

This program seems rather compact, but I know from experience that if you are going to get the best from your 4-H club members they must have plenty to do in order to keep them interested.

I use a point system to create a keener spirit of competition. Points are awarded for reports, demonstrations, contests, hikes, etc. Through this competition the members learn good sportsmanship, also self-confidence and cooperation.

The summary of achievements of my club members I think show some results. Four members have attended junior leaders camps; three have been members of State poultry judging teams which went to the national contest in New York; two are now managing poultry plants of their own and several others are planning to attend college. The club has won more than 50 individual prizes in the monthly egg production contests. One of our members in 14 months won

DORIS ALBRECHT WINS

Last month we told you that Doris Albrecht had been chosen to go to Chicago as the Massachusetts All Round 4-H Club Girl. We are more than pleased to announce to you that Doris went and was awarded second prize in this class.

This prize is \$150 to be used as a scholarship at some State Agricultural College.

We hope that many more 4-H Club members in the years to come will be added to this list that has been started by Doris.

ANNUAL BANQUET

The Essex County Service Club is sponsoring the fourth annual 4-H Club banquet in honor of the five year members on Wednesday evening December 21 at 6:30 P. M. at Essex Aggie.

This is a big event in the 1938-39 program so plan to be there. The committee in charge is working to have an interesting program which will include dancing. Miss Mildred Cann of Danvers is chairman of the banquet committee.

Service Club members new and old, local leaders and parents are invited to attend and may secure their tickets from the members.

H. A. Walker

ORGANIZED CLUBS

With the period of organization for winter clubs almost over we have up to December first 28 Clothing, 5 Home Furnishing and 5 Foods Clubs organized in the County. They are:

Andover; 2 Clothing, 1 Home Furnishing; Amesbury, 1 Clothing; Ballardvale, 1 Clothing; Boxford, 1 Clothing; Danvers, 6 Clothing, 2 Home Furnishing, 1 Foods; Essex, 1 Clothing, 1 Home Furnishing, 2 Foods; Gloucester, 1 Foods; Groveland, 2 Clothing, 1 Home Furnishing; Methuen, 3 Clothing; North Andover, 3 Clothing; Salisbury (Plains) 2 Clothing; Salisbury Beach, 2 Clothing; Saugus 1 Clothing; Swampscott 2 Clothing and 1 Foods Club.

The Beverly Clubs are being organized this month.

five medals and 15 ribbons, in judging and exhibiting poultry. Records show a total net profit of \$1200, which I consider very good when you realize that these boys have only small flocks.

So all in all I feel that I have been repaid many times over for the effort and time I have spent as club member and a local leader.

Paul Corson of Saugus

DAIRY PINS AWARDED

At the Dairy banquet last month eighteen 4-H Club members received their Dairy pins for their year's work in a Dairy project. Club Agent Horace J. Shute awarded the first year pins to: Samuel Noyes, Albert Noyes, and John Raymond of Georgetown; Roland Evans, Carl and Henry McCrillis, Arthur Scarlet and David Marston of West Newbury.

Second year pins to: Richard Smith, Roger Gill, Amesbury; Leo Hunt, Groveland; Robert Woodworth, Donald Woodworth, Lyman Orcutt, West Newbury.

Third year pin was awarded to Paul Lysick.

The officers elected for the coming year were President, Lyman Orcutt, West Newbury; Vice-President, Roger Gill, Amesbury; Secretary, Everett Armidon also from Amesbury.

H. J. Shute

4-H SERVICE CLUB NOTES

The November meeting of the Essex County 4-H Service Club was held at the Essex County Agricultural School, Friday evening, November 18 at 8 P. M. Paul Corson, Vice-President, presided. It was voted to make an amendment to the constitution to provide for a Service Committee for the purpose of rendering aid to club members or leaders who might be ill or in need.

Following the business meeting, a formal initiation program and candlelight service was held. Those participating were: President, Georgia Reed of South Essex; Vice-President, Paul Corson, Saugus; Secretary, Doris Albrecht, North Andover; Treasurer, John Kukene, Amesbury; Mrs. Viola Shute, Methuen, Clyde Crofts, Danvers; Alfred Cippola, Haverhill and Esther Usher of Danvers.

An informal initiation was then held consisting of stunts conducted by the entertainment committee with Clyde Crofts and Fred Usher in charge.

Dick Fitzpatrick of the Worcester County 4-H Service Club spoke about his club.

Those initiated were: Laura Biodini, Eleanor DeSantis, Bertha Rosum, Dorothy MacDonough, Audrey Boisvert of Beverly; Dorothy Sargent, Eleanor Reed, Fred Hoffman, Alton Page, Saugus; Roberta Thurlow, Thelma Milnes, Ruth E. Woodworth, Groveland; Frances Hartmann, Andover; Gertrude Reed, South Essex; Florence Thompson, West Newbury; Hannah Hay, Lawrence and William R. Goss, Lynn.

Doris Albrecht

ALUMNI NOTES

Lilyan Dion '38. Going to Salem Commercial School. Kay Johnson and Eleanor Yerbury '38 are employed in the Dietary department at the Salem Hospital.

ESSEX FARMER AND HOME MAKER

VOL. 21

HATHORNE, MASS., JANUARY, 1939

NO. 1

Raising Cabbage For Seed

In the December issue of the Essex Farmer and Homemaker there was a brief story concerning Mr. William E. Sanford, who retired from his duties as Farm Foreman on December 31. Mr. Sanford was born on a farm and his entire life has been associated with farming in one form or another. Perhaps the most interesting as well as profitable part of his farming operations was the careful selection and perpetuation of certain vegetable varieties to be raised for seed purposes. According to Mr. Sanford, raising vegetable seed is a lost art in this section and he would have young farmers learn how to raise their own.

In preparing the seed bed, Mr. Sanford emphasizes deep plowing, thorough harrowing and straight furrowing. He would have us look to our team and plow, to put both in good condition before going into the field.

Mr. Sanford believes that farmers of today would profit by raising their own vegetable seed. He finds great satisfaction in this branch of farming and encourages others to do likewise. In a recent interview he told how cabbage seed was raised on his father's farm.

Cabbages for seed purposes were carefully selected as to shape, size and maturity. In late October or early November the stock cabbage was closely packed into a trench 18" to 2 ft. wide and deep enough to have the heads when set, level with the ground.

Then two furrows were made beside the trench throwing the soil over the cabbages, leaving a second trench to be filled. Cabbage thus stored was firmly packed and allowed to freeze during the first cold nights. Then more soil was used to keep the bed from thawing.

About April 15, when the weather was suitable the cabbage was removed from the bed and transplanted into the field. It was set deeply and hoed up well. In a few days leaves appeared and frequent hand cultivation was necessary to keep down the weeds. The new cabbage sprout was tender and had to be protected from the frost by a light mulch.

About the end of July some of the seeds would be ready for picking. Strong sheets 6' x 6' were taken into the field. The mature sprouts were picked and laid on the sheet. When it was filled the corners were tied and sacks so formed were taken to the

The Farm Division At the School

It has been thought that too little is known of the livestock here at Essex Aggie. The school herd has grown slowly and gradually better up through the years until now the school maintains a fine herd of pure-bred Guernsey and Holstein cattle. Most of the Guerneys are descendants of animals bred at the famous Argilla Farm in Ipswich, Mass. This line of breeding is being carried on through the use of Argilla Corporal 210223 as Herd Sire. The Holsteins carry blood lines of animals from the Mount Hermon School, a noted Holstein breeding establishment. To build up the Holstein herd the school is using a proven sire, Pioneer Posch Snow Korndyke 671932. We are just "calving out" some fine Holstein heifers from this mating. In a few months we will publish some of the production records of the cows.

We have also at the Agricultural School a fine herd of Seamen Goats. Dadajo Mesa Linda Lucifer S-415 bred by Mesa Linda Farm at Auburn California has been recently purchased for use as herd sire. We expect Lucifer to improve upon our present stock. Some of the goats are milking three quarts daily at present time. Goat milk is especially valuable for infant feeding, treatment of gastric ulcers and other digestive disturbances. Goat milk is easily digested due to the small fat globules and has an alkaline reaction.

The School also maintains 16 pure-bred Duroc-Jersey brood sows which we have crossed with the pure-bred Tamworth. The off-spring from this type of cross (i. e. crossbred) surpass even the pure breeds in the production of pork.

There are also six horses at the School, all of them of the Percheron breed.

The School owns 120 acres of land. Nearly 30 acres of tillable land together with 30 acres of leased crop land, adjoining the school property, is used by the farm department in the production of homegrown feeds. Growing of the crops and care of the animals serves largely as a laboratory for the Farm Survey, Dairy and Animal Husbandry.

In this way all the boys are given at least some of the practical first hand experiences and thus acquire knowledge of animal and crop management.

Wins \$25.00 Prize

Lloyd Briscoe of Groveland, class of 1940 at Essex Aggie, won the \$25.00 first prize award of the Massachusetts Fruit Growers' Association at the Worcester fruit judging contest on January 6. The contest was held and the award made as part of the fruit growers' program of the Union Agricultural Meetings.

Lloyd qualified with nine other agricultural students from different parts of the state by carrying a fruit project last summer and ranking high at the Massachusetts State College contest in the fall. The Massachusetts Fruit Growers' association insists that the candidates for their prizes (\$25 first, \$15 second and \$10 third) excel in both fruit judging and fruit project work. The association also insists that the prize money be spent on the fruit project or for aid in an agricultural education. The prize money which the Essex boys have won during the past eight years (since the prizes have been offered) has aided them materially in their agriculture pursuits.

Cecil Bellows of Arms Academy was second and Hubert Carlson of Worcester North High school was third.

Every year since the prizes were offered the Essex Agricultural School has succeeded in winning one of the prizes. Thus Briscoe by winning this coveted prize has maintained for Essex Aggie the continuity of fruit awards by the Massachusetts Fruit Growers' Association. C. M. Wood

CLASS OF 1928 GET-TOGETHER

On Thursday evening, December 29, a few of the class of 1928 held a get-together at the Homemaking building. Helen Andrews brought her moving picture machine and showed us many of the pictures she has taken, including a set of pictures of the 25th anniversary celebration, recently held on October 1st. Reminiscence brought incidents almost forgotten back into the limelight again. Refreshments were brought by each and coffee was served.

Those who attended were: Evelyn Philbrick Jones of Middleton; Helen Andrews, Salem; Gertrude Lynch, East Gloucester; Mr. and Mrs. Harold Rogers, Mr. and Mrs. Robert Moore, Ward Hill; Mr. and Mrs. Nathan Hale, Woburn; and Mildred Russell, Salem.

Our only regret was that more of our fellow classmates did not attend and spend an enjoyable evening with us. We hope to plan more get-togethers in the near future.

Mildred Russell

(Continued page 2, col. 1)

J. E. Eastwood

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

A MONTHLY PUBLICATION SUBSCRIPTION 25c PER YEAR

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Hathorne, Mass.

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Secretary, E. S. Batchelder Cliftondale
Essex County Milk Goat Breeders'
Association
Secretary, R. H. Campbell Topsfield

CALENDAR

Jan. 20 Dairy Institute at ECAS
10.30 A. M.
Jan. 24 Fruit Growers at ECAS at 8
P. M.
Jan. 25 Dairymen and Milk Produc-
ers at ECAS at 8 P. M.
4-H Home Furnishing Leaders in
Framingham 10.30 A. M. to 3.30
P. M.
Jan. 27 Senior Dance at ECAS.
Market Gardeners 8 P. M. in Room
28.
4-H Clothing Leaders meeting in
Homemaking Building.
March 22 FARMERS' AND HOME-
MAKERS' DAY.
April 22 4-H Hiking Day.

RAISING CABBAGE FOR SEED (Continued from page 1)

dry room where they were stored
from 10 days to two weeks.

When the seed was thoroughly dry
it was put on a sail cloth placed
on the floor; the flail, fork and rake
were then used; the flail to thresh
out the seed, the fork to shake up
and take out the stubble and the rake
to rake off the seed pods. The seed
was raked over each day and then
winnowed by machine. The machine
was regulated to blow out the chaff
and light seed leaving only good seed.
The seed was then put in two bushel
bags and was ready for shipment.

G. E. Gifford

NEW FARM SUPERINTENDENT

The Trustees have appointed William
J. Abbott as superintendent of the
School Farm.

Mr. Abbott entered this School in
October, 1913, coming to us from
Phillips Andover Academy, Andover,
Massachusetts. Upon graduation,
class of 1916, for a short time he
served the School as a laboratory as-
sistant and instructor. Since that
time he has held important positions
as cow testing association manager,
manager for commercial grain and
feed establishments, and herdsmen
and manager of various farms in
northern New England.

It is interesting to note that Mr.
Abbott was the first person to receive
a diploma from this School.

Mr. Abbott is married and has a
son and a daughter.

He has been held in high esteem
by his many contemporaries while at
school and they all join in welcom-
ing him back to the School organiz-
ation at this time.

FARMERS' AND HOMEMAKERS' DAY

The trustees have designated Wed-
nesday, March 22, as the date for
the Annual Farmers' and Homemak-
ers' Day. They have placed the or-
ganization of the committees in the
hands of Trustee Melville G. Grey,
as in former years. Mr. Grey will
select a committee of representative
farmers and homemakers to help him
in outlining plans for the day.

This has now come to be a great
and much anticipated annual event
which is usually attended by a large
audience, sometimes reaching 1200 to
1500 people.

In addition to the speaking pro-
gram, it is proposed to hold the usual
educational and trade exhibits, and
everything will be done to make the
day a profitable one for all citizens
who care to enjoy the day at the
School.

C. F. NELSON PRATT

On January 4, 1939, C. F. Nelson
Pratt, Esq., took oath of office as
County Commissioner. Mr. Pratt
was elected in the November
elections for the coming four year
term, replacing Charles Boyle who
did not enter the contest this year.

Mr. Pratt was born and educated
in Saugus where he still resides. Af-
ter graduation from High school he
attended Boston University Law
school and later Northeastern Uni-
versity.

He has been a member of the Sau-
gus School board and a member of
the Board of Selectmen for a number
of years as well as having served in
the Massachusetts House of Represen-
tatives, being elected in 1927.

M. R. T.

CRAFT WORK IS FUN

Let's be gay! Let's be different!
Let's proudly show our friends inter-
esting, original dance programs, or
a wall decoration, and be able to say
"Oh yes! I made them myself out
of natural materials, it's such fun,
and so easy!"

On a pleasant day we go to a near-
by beach and gather some of those
very tiny shells smaller than the end
of our little finger. We have some
paints at home and some card board
not too heavy.

We'll start with something simple,
a dance program. A piece of card-
board, 5 inches by 2 1-2 inches, fold-
ed in the middle, will do for a base.
A few strokes of dark paint up one
side forms stems to which we can
glue little shells in place of flowers.
Tiny mussel shells make grand little
imitation pussy willows, specially if
you touch the bottoms of the shells
with a little dark paint to show the
outgrown hull which once protected
them. Now what could be easier than
that?

A wall decoration which is differ-
ent is the plaster of paris plaque. It is
molded in a tin pie plate, 6 inches in
diameter. After the pie plate has
been well greased, leaves of interest-
ing shapes may be laid in the bottom
of the plate, and the plaster of paris
mixture poured in. A small loop of
wire should be inserted on this top
surface, that the plaque may be
hung up.

When the plaque has hardened, it
comes easily away from the pan. The
leaves are removed, the pattern which
they have left in the plaster of paris
may be painted. Similar results can
be obtained by placing cardboard cut
to form a design in the bottom of the
tin plate, and painting the design
later.

There are many other simple ar-
ticles which we can make that are
most effective. Coat lapel ornaments
made from acorn cups and colored
pipe cleaners, others made from tiny
hemlock cones and the larger ones
from the pine. These are more intri-
cate and space will not allow giving
the directions at this time.

Myrtle Schneider

ATTENTION BEEKEEPERS

Bees did not go into the winter
with "lots of good stores". At the
first opportunity check up on your
bees. Candy pies can be used to good
advantage to supply additional stores.

N. B. Inspect when temperature is
well above 60 degrees.

G. A. Meigs

At the annual meeting of the Mass-
achusetts Beekeepers' Association
held at Worcester, Walter M. Cope-
land, 30 Spring Street, Lexington,
was elected president of the asso-
ciation. Eugene F. Trainor, 465 Lake
avenue, Worcester is the newly elect-
ed, Secretary-Treasurer.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

JANUARY, 1939

STUDENT EDITORS

Homemaking Department

Dorothy MacDonough '39 Beverly
Bertha Robblee '39 Salisbury
Dorothy Peavey '40 Georgetown
Barbara Weston '40 Methuen
Barbara R. Roberts '39 Lawrence
Helen McNeil '39 Salem

Agricultural Department

Aubert S. Giles '39 Danvers
Arnold J. Hebert '40 Saugus
Albert F. Greenaway '39 Marblehead
George Georgantis '39 Lynn

F. F. A. Reporter

BASKETBALL SCHEDULES

The Essex Aggie Gymnasium is a busy place these days with both the boys' basketball teams and the girls' team practicing for their games. Following are the schedules.

Girls' Schedule

Jan. 18 at Hamilton
Jan. 19 Rockport
Jan. 26 Manchester
Feb. 3 Hamilton
Feb. 7 at Manchester
Feb. 21 at Rockport

Boys' "Prep" Schedule

Jan. 6 Alumni
Jan. 11 at Somerville Trade 8 P. M.
Jan. 13 Fore River Ap. 8 P. M.
Jan. 25 Somerville Trade 3.45 P. M.
Jan. 28 at Haverhill Y. 8 P. M.
Feb. 4 at Lynn Y. 8 P. M.
Feb. 8 Haverhill Y. 8 P. M.
Feb. 21 at Stockbridge 8 P. M.
Mar. 4 at Boston B. C. 8 P. M.

Other games are pending with Fore River, Oaks Oilers and G. E. Appren.

Boys' High School Schedule

Jan. 6 Alumni
Jan. 10 Hamilton
Jan. 11 at Ipswich
Jan. 13 Manchester
Jan. 18 at Methuen
Jan. 27 at Hamilton
Feb. 1 Amesbury
Feb. 3 at Punchard
Feb. 10 Methuen
Feb. 15 Punchard
Feb. 17 at Manchester

Games pending with Rockport, St. Ann's and Topsfield.

THE INAUGURATION OF GOV. LEVERETT SALTONSTALL.

Many of the faculty and students of the Homemaking Department took advantage of the opportunity of hearing the Inauguration on January 5th, in the Homemaking Assembly Hall.

It was heard by way of the new radio, recently purchased and the students who are ordinarily out of reach of a radio at the school were especially favored as the broadcast took place at noon.

The convening of the Senate and the House of Representatives and the Oaths of Office taken by Governor Saltonstall and Lt. Gov. Cahill were of special interest.

The topics of Industries and Agriculture in the State of Massachusetts were of benefit to those of us who study Economics.

Some of the other subjects the Governor spoke on that sounded familiar as a result of class discussion, were the gasoline tax, highway construction, jobs for the young, banking and insurance laws, care of the mentally and physically ill, protection from crime, use of minerals, transportation, fishing, recreation, education and employment administered by the state.

The Governor also discussed taxation and the probable cost of merchandise during the year 1939.

D. P.

NEW BOARD MEMBERS

The Green and White Board for 1939 from the Homemaking Department has been appointed and is as follows: Assistant Editor, Barbara Weston, Methuen; Art, Rhoda MacMillan, Middleton; Sports, Alice Cadoret, Methuen; Humor, Helen Russell, Newbury; Echo Club, Velma Robinson, Lawrence; Exchange, Dorothy MacDonough, Beverly; Alumni, Mary Digou, Manchester; Business Managers, Ruth Keleher, Lawrence; June Agersea, Saugus and Muriel Craven of Methuen.

B. W.

GREEN AND WHITE

The Green and White Board met on Wednesday, January 11, for its first meeting of the year. The Board is planning the March issue well in advance.

Aubert Giles of Danvers is Editor-in-Chief. Meetings of the Board will be held on Tuesdays at 12.30 in the Homemaking Building.

SENIOR DANCE

The midwinter dance annually sponsored by the Senior class will take place Friday, January 27th., at eight o'clock in the Auditorium of the Agricultural Building. The University High Hatters from Newburyport will furnish the music. This orchestra was chosen by a committee consisting of Grace Raimy, Helen McNeil, Marion Buckley, Howard Stone, James Nealey and George Georgantis.

Other committees who are completing the other details are as follows: Favors, Edith Sharp, Mabel Bartlett, Peer Johnson, John Balzarini.

Refreshments; Ada Marsland, Barbara Roberts, Alice Croteau, Bertha Robblee, Donald Kelley, Albert Greenaway, Ernest Campbell, and Earl Nicholson.

Checking: John Hector, Richard Goodale and Charles True.

Decorations: May Webber, Judith Williams, Gloria Noone, Lois Archambault, Paul Kelley, Robert Spencer, Aubert Giles, John Balzarini, George Georgantis, Raymond Pead and Roger Coleman.

Tickets: Pauline Frost, Evelyn Griffin, Nicholas DiLisia, George Burkhardt, Patricia Sheehy and Ruth Kelleher.

Transportation: Olive St. Pierre, Mary Anderson, Betty Canty, Charlotte Leroy, Evelyn Chase, Peer Johnson and Chester Silva.

Floor and Police: Arvid Ljunggren, Alden Crosby, Howard Stone and Raymond Pead.

Patrons and Patronesses: Lucy Grover and Muriel Evans.

B. R. & A. H.

JUNIOR NOTES

The Executive Board of the Junior Class has met and has started planning the activities of the class for the rest of the year. Those who are on the Executive Board include: President, Arnold Hebert, Saugus; Vice-President, Alice Cadoret, Methuen; Treasurer, William French, Lynn; Assistant Treasurer, Mary Maklae, Peabody; and Secretary Eleanor Taylor, Methuen.

CLOSE OF SEMESTER

On Friday, January 27, the first semester in the Homemaking Department comes to a close. New programs and change of classes occur, and marks for the second quarter close.

Already tentative plans for Farmers' and Homemakers' Day are under way.

MANY FAVORABLE COMMENTS

John Balzarini received many favorable comments at Worcester for his exhibit. It was a 20 ft. wall and table display similar to the one at the Fall Science Show. The title of the exhibit was "The Worth of a Bull is known through his daughters."

HOUSING

In the remaining lessons before the end of the first half of the year, the girls in the Socio-Economics class will discuss housing conditions in the United States and the work of the Federal Housing Administration. The subjects will include the present housing conditions in the United States, standards of housing, the existing conditions of the poor housing in the slum districts and the difficulties involved in making changes. Possibilities of improving the conditions will also be a subject of debate as well as recommendations resulting from the group discussion.

Model communities have sprung up all over the country and are a good example of excellent housing facilities, some of which are in Massachusetts. References may be found in the Homemaking Library under such authorships as Burch and Patterson, Gavian, Gray and Grover, and Munroe.

B. R. R.

CLUB NOTES

On January 15 two delegates from the Homemaking Department of our school attended a meeting of the Massachusetts Student Home Economics Club, sponsored by the Simmons Home Economic Club.

The latter part of the month we shall be quite fortunate in having with us Miss Rogers of the Crest Beauty Parlor, which is located in Salem, Mass. Miss Rogers will speak on "Hair Arrangement".

In February the Echo Club will play hostess to a party and dance at which time the faculty and members of the F. F. A. will be the guests.

H. McN.

JOINT ASSEMBLY

On Tuesday January 10, a joint assembly of the Homemaking and Agricultural departments was held. Mr. C. P. Swinnerton of Center Harbor N. H. demonstrated the behavior of those minute particles of electricity, known as electrons. It was shown that these electrons which travel from 15,000 to 20,000 miles a second when controlled may be made to serve man in many ways.

The purpose of his talk was to acquaint his listeners with an understanding of what is taking place within modern electrical appliances which they see, hear and use, in every day life. The way in which faint radio waves are picked up and amplified so as to be audible. The principle underlying the X-Ray and the electric eye was explained as well as the manner in which sound is produced from the sound-track of movie films.

A. E. G.

F. F. A. PUBLIC SPEAKING

Candidates for the public speaking contest are now preparing for the school elimination contest to be held in February.

This year the County School, Norfolk and Bristol will send teams to Essex about March first to compete against us in the County District Contest. The State contest is scheduled for Hatfield Academy on Friday, March 17.

A total of \$80.00 awarded by the State Department of Agriculture and the Massachusetts State Grange will be divided among the winners of the district and state contests.

The following candidates have reported to Instructors Thurlow and Gifford for training. John Ambrefe, Beverly; John Bailey, Saugus; Arnold Hebert, Saugus; Newton Henriksen, Lawrence; Daniel Hersey, Beverly; Edward Hull, Salem; James Nugent, Newburyport; George Pelletier, Lawrence; James Reilly, Peabody, John Reilly, Methuen; George Solomon, Lawrence; and Russell Weinhold, Methuen.

A. H.

F. F. A. GENERAL MEETING

At the F. F. A. meeting held on January 4, in the Assembly hall of the Main building, Charles McGuinness, Coach of the Marblehead High School, gave an illustrated talk about School and Professional football.

Pictures were shown of plays made by Harvard, Yale, Navy, Pittsburg and Notre Dame. Pictures of the Miami and Marblehead game of 1935 were also shown.

Marblehead High enjoyed a successful season and plans are being made to have the team attend the New York World's Fair during the spring vacation.

T. Fullerton

ALUMNI NOTES

Lawrence Shanks of Essex, class of 1936 is now employed at the C. Nelson Hardy Poultry Farm in Essex.

Frank Story '38 also of Essex is now regularly employed at the C. Nelson Hardy Poultry Farm.

Leroy MacAloney '38 is employed at the Gray and Cole Nurseries in Ward Hill.

James Owens '37 is employed by Harold Holden '22 owner of the Sunshine Dairy, Lynnfield street, Peabody.

Theron Johnson '33 of the Ellis Orchards, Melrose, was a recent visitor to the school.

Mildred Russell '28 a contributor in this issue is much interested in alumni activities. Miss Russell served on the executive board of the Alumni Association for several years.

The Alumni Editor of the Green and White, would like to hear from members of the class of 1929.

ENGAGEMENTS

Even cupid has had a hand in writing this column for in this edition there are all the engagements which have recently been announced of our graduates.

Ruth Graves '28 of Salem employed at the Beverly School for the Deaf is engaged to Robert Jacques of Beverly.

Mildred Humphrey '36 of North Andover to Donald Allen Aylward a former student at Essex Aggie.

Elizabeth G. Johnson '36 of Salem, employed at the Laine Tavern at Hampton, N. H., to Charles Weinhold of York, Maine.

Marjorie Loveys '38 of Danvers to Irving Day also of Danvers.

Dorothea Savage originally of the class of 1939 and residing in Peabody is engaged to Herbert O. Peabody.

Barbara Haskell '39 of Beverly is engaged to Edward Lamprey of North Andover. The engagement was announced at a family New Year's party.

elen Onellette '38 of Salem to Constant L. Bouchard of Topsfield and an instructor at Massachusetts Institute of Technology.

Henry Carver Smith formerly of the class of 1939 and Anita May Gleitsmann of Malden have recently announced their engagement. Miss Gleitsmann is secretary to the Superintendent of Nurses at the Malden hospital, while Henry who formerly resided in Saugus is now owner of the Garfield Farm in Westminster.

D. MacD.

STAFF NOTES

Miss Martha Mahoney a former secretary at the School has recently accepted a position in the Veterans' Bureau, in Washington.

Mr. W. D. Burrington is now connected with the Extension Department here at the School, being assistant to County Agent Francis C. Smith.

Mr. Burrington is a graduate of Connecticut State College B. S. 1922, he received his Masters degree in 1924 and then was with the Agricultural Experiment Station at Storrs. Following his work there he was Dairy Experiment Specialist at Michigan State College until 1931 when he did two years of graduate work at Michigan State.

Later he was with the United States Department of Agriculture in the Livestock Estimates Division. Following this he did a year of graduate work at University of Illinois in Animal Husbandry.

1939 SOIL CONSERVATION PROGRAM

The 1939 Soil Conservation program is nearly completed and soon the farmers will have an opportunity to learn all the details of the increased payment for the use of lime; how no reduction below normal acreage will be required and of the new practices that have been added that will assist some farmers in reaching their full payment.

Plans are being made to hold many community meetings over the county in the homes of the members and every farmer is invited to come to his neighborhood meeting and learn how this program can be of the most assistance to him.

The County Committee which is composed of Melville G. Grey of Wenham, Harry Cole of Boxford and Joseph Smith of Lynnfield are working hard to have this program of the greatest possible value to the farmers of Essex County.

They are working to obtain lower prices on lime and they expect to be able to furnish some lime and acid phosphate to the farmers in the spring upon the payment of a small handling charge and the balance to be deducted from their conservation payment in the fall. It is expected that a large number of farmers will take advantage of this offer. The details of this offer will be taken up at the community meetings.

Edwin C. Martin
Soil Conservation Agent

NEW EXTENSION CLASSES

New groups in Home Hygiene are meeting one at the Agricultural School, Monday evenings. This is a group of Middleton women. A group of North Shore Dental Hygienists are meeting at the Red Cross Rooms, in Salem on Tuesday evening.

First Aid group is meeting in Peabody on Thursday evening, another in Marblehead on Friday afternoons and one in Salem in St. Joseph's hall, Friday evening.

Four groups in cooking are meeting afternoons, one in South Groveland, Tuesdays; Wednesday a group in in Salem, Thursday in Marblehead and Friday in West Newbury.

Clothing classes are meeting in Amesbury on Tuesdays; in Merrimac on Wednesdays; Thursdays in Peabody and Fridays in Newburyport.

Miss Beatrice Billings, Home Demonstration Agent-at-large, and Mrs. Mary M. McIntire, local Home Demonstration Agent, will visit in the various towns of the County during the week of January 23 to organize the Town Committees.

Mary M. McIntire
Home Demonstration Agent

SOIL TESTING SERVICE

January first, marked the completion of the first year of the new soil testing service offered to the public by the school. During the early part of last year the school obtained the glassware, chemicals and other materials necessary to set-up the Universal Soil testing system. This system was developed by Dr. M. F. Morgan of the Connecticut State Experiment Station and seems to be most adapted to our Eastern soil conditions. Also, at this time an electric potentiometer was obtained to give us a more accurate test to measure the pH or the acidity content of the soil. The equipment is set up in Room 15 on the first floor of the school. This service has enabled the school to give the grower a better picture of what is happening in his soil as far as the available plant food is concerned. Tests can be made for available Calcium, Aluminum, Magnesium, Nitrogen, Phosphorus, Potash, Manganese, Iron, and several other elements that are necessary in plant growth.

A small fee of 25 cents for one sample and 15 cents for each sample, thereafter, is charged for this service.

Since the inauguration of this service more than 700 soil samples have been tested. It has been of interest to note that from over 600 samples tested for potash over two-thirds of them revealed a Potash deficiency. Perhaps we are paying too much attention to Nitrogen and Phosphorus and have neglected the Potash. Although these tests represent but a small cross section of the soils of this county, it at least, shows a tendency we must watch carefully.

Soil testing is by no means a cure-all for our soil troubles. A great deal depends on how the soil sample is taken as to how valuable the results will be. A personal visit to the School with the soil samples enables us to be of more help to the individual and the problem at hand. We trust this service will be of value to those interested in achieving the best results from the soil.

Alton G. Perkins

CHARLES MAHONEY RECEIVES MEDAL

Charles Mahoney of Lawrence and graduate of Essex Aggie 1938, was awarded a silver medal at the Union Agricultural Meeting in Worcester the other day.

Mahoney won the State Championship in Public Speaking last March and was to have competed in the Regional contest at Springfield this fall. Because of the Hurricane he and those who accompanied him were obliged to turn back. Because of this fact this special trophy has been awarded to him.

GARDEN CHAT

Dr. D. F. Jones of the Connecticut Agricultural Experiment Station in speaking at the vegetable and roadside stand association meeting at Worcester on January 4th told of his experiences with hybrid sweet corn. Varieties with high quality for roadside market are MarCross 6.13,—MarCross 39.13,—and Golden Cross Bantam. He suggested GemCross 13 as an earlier strain than MarCross but where it is smaller in size some growers might find it objectionable.

Other speakers on the same program were: James T. Colby, Manchester, N. H., who spoke of experiences on his farm in growing large acreages of corn, potatoes, squash and beans for the Boston Market; Professor Harold White of Mass. College Field Station, Waltham, who gave varieties of annual asters, marigolds, zinnias and petunias which were desirous to be grown for roadside stand trade.

On Saturday, January 7th, the Boston Market Gardeners Association held their annual winter meeting at the school. The usual squash contest was held in conjunction with this meeting with several entries. Mr. Joseph Decatur's squash was judged to be the winner. The other squashes were entered by Mr. Harold Rogers, Ward Hill, and Mr. Alden Wheeler of Concord.

The judges were J. C. Richardson of Dracut, Mr. J. W. Gates of Danvers, and Mr. W. A. Gates of Hathorne.

Luncheon and social hour were enjoyed at noontime after which a brief business meeting was held. Professor Robert E. Young presented the subject of soils, fertilizers and lime in a way that all present received most valuable help in solving plant food problems for the coming year.

Mr. W. A. Staples of Saugus spoke of his experiences in growing celery in Saugus where he sells all that he produces from half an acre at a roadside stand. He has tried over 200 varieties and strains of celery and reported that he believed he had found a strain of Salt Lake or Utah to be most outstanding in quality and yield. Mr. Staples carries on this work as an avocation and derives much enjoyment this way during his spare time.

Are you planing now for next season's garden. Those who carry on most successful gardens are looking over seed catalogues for new varieties that have proven well. New methods of culture may be the line of thought, new tools to perform the garden duties may be the topic of discussion. At any rate begin to think about your garden needs for 1939.

C. M. Stearns

4-H Club Notes

FOURTH ANNUAL 4-H BANQUET

The fourth annual 4-H Club banquet in honor of the five year club members was held January 5, at the School with 120 club members, leaders and friends of club work present.

Miss Georgia Reed, retiring president of the Service Club, presided over the meeting. Greetings were extended to those present by County Club Agent Horace J. Shute. Miss Helen Walker, Assistant Club Agent spoke of the service part of our club. We should all consecrate ourselves to serve others in our community and do all we can to further Club work in every community in our County.

Following Miss Walker, Esther Usher told of her trip to the National 4-H Club camp in Washington. She expressed her appreciation to the leaders and the Service Club members for choosing her to represent them at the camp. Esther certainly has great deal of inspiration since going to National camp.

Doris Albrecht told of her trip to the National Club Congress in Chicago. She was chosen as the State delegate to the Congress for her outstanding general Home Economics work. She won a scholarship of \$150 while in Chicago. She was the guest of several commercial houses and was able to visit many places of interest and had the opportunity to broadcast twice while on her trip.

Mr. Melby Brady of the Massachusetts State College was also at the banquet and urged as many as possible to attend the second Skill School which he planned to hold on the week end of January 13 if there was snow, otherwise it would be held on January 27. Doris Albrecht was awarded her second trip to the Skill School.

Mr. Brady commended the retiring officers of the club upon the fine work that they had done during the past year. He charged the new officers to continue the work and then installed the new officers of the club who are: Mildred Cann, President and resides in Danvers; Alfred Coppola, Vice-President, Haverhill; Doris Albrecht, Secretary, North Andover; and John Kukeke, Treasurer, Amesbury.

Mrs. G. Richard Abbott, President of the Local Leaders Association gave a fine tribute to the five year members.

Mr. Shute awarded pins to Thelma Milnes, Roberta Thurlow of Groveland; Marjorie Coy and Alton Page of Saugus; Sarah McCormick, Ethel Kessaris, Lillian Roumuis, Beverly.

A one act play was presented by

BOSTON POULTRY SHOW

As we go to press there are eight Essex County 4-H boys exhibiting at the Boston Poultry Show. The results will be reported in the next issue.

A fine showing is being made by the Red Rooster Poultry Club of Saugus. Seven of the ten members are exhibiting. Two of them have put up educational exhibits which are very instructive. Robert Mitchell has an exhibit of quality eggs, while William Goss is stressing quality feeds for rabbits, as this is his specialty.

Frank Rowinski of Haverhill is exhibiting a chick feed hopper, a grit hopper, a water stand and pan that he has made. Robert Mitchell also has an exhibit a shipping coop that he made. These articles are in a new class known as Poultry equipment for the purpose of improving the equipment used by members. Leonard Marble of Haverhill also exhibited two single pullets and a trio of Rhode Island Reds.

On Friday, January 13, a judging contest for junior members will be held and on Saturday a senior contest. In these contests Essex County will have Donald Herrick of Haverhill, Fred Hoffman and Boyd Barrett of Saugus on the junior team. Frank Rowinski, Haverhill; Forrest Reynolds, Amesbury and Alton Page of Saugus will be on the Senior team. These boys will judge for a large silver loving cup as well as individual prizes.

Essex County will have three poultry demonstration teams trying for the State contest. The winner of which will receive a trip to the World's Poultry Congress and Exposition in Cleveland, Ohio. These teams will be from Haverhill, Amesbury and Saugus.

H. J. Shute

the Service Club Players, entitled "A quiet evening at home." Warren Page of Middleton was the coach and the play was a grand success.

The remainder of the evening was spent in dancing to music by George Hoffman's orchestra from Saugus. George is also a Club member.

This banquet was in my opinion the best we have ever had which is a real start to a prosperous year ahead.

Horace J. Shute,
County Club Agent

DELTA CHAPTER MEETING

At a recent meeting of the Massachusetts Delta Chapter of All Stars a group from Essex County attended. This meeting was held at the Farley Club House in Amherst. This chapter is composed of former 4-H club members and interested workers. The object of this organization is to strengthen and honor 4-H club work by its members consecrating their lives to larger service in home, community and county. The emblem of this club is a five pointed star pin.

Saturday evening an Initiation and Consecration service was held, followed by lots of fun. Members from Essex County inducted were: Dena Bulgarris, Byfield; Fred Usher, Ruth Dupray, Danvers; Frances Hartmann, Andover; Helen Walker and Doris Albrecht, North Andover. The other members attending from Essex County were Esther Usher, Danvers; and Paul Corson of Saugus.

Sunday morning, Prof. George Taylor of Amherst College addressed the group. His topic was "Interstate Tariff Laws."

Following the church service, Mr. George L. Farley, State club leader spoke to the group on "How the 4-H Spirit remains with one throughout the years."

BEVERLY GIRLS CELEBRATE 100TH ANNIVERSARY

On December 15, 1938, "The All-Rounders", a club of eleven girls held a party at the Beverly Health Center, in honor of their one-hundredth year of 4-H Club work. On the average each girl has been in club work for 9 years or more. The total number of years these eleven girls have been in club work is 100.

The girls entertained their mothers and alumni members during the evening with several talks, songs, poems and games. Dorothy MacDonough, program chairman, opened the meeting with a prayer followed by the 4-H Club Pledge. Those taking part in the program were Miss Helen Walker, Assistant County Club leader, who spoke of the achievements of the girls and how proud she was of them; Miss Marion Parker, local club leader, spoke of her enjoyment in working with the club.

Inis Biodini gave the history of the club, Audrey Boisvert, read Edgar Guest's poem "Home"; Dorothy Troubetaris read the poem, also by Edgar Guest, "Mother" and Mary Burke read the poem "If" for girls.

Songs were sung throughout the evening both club and fun songs. Games were enjoyed by all and refreshments were served by Ruth Boisvert and Anne Leadbetter. The room was attractively decorated with the holiday colors and about the room were exhibited articles which the girls had made.

D. MacD.

ESSEX FARMER AND HOME MAKER

VOL. 21

HATHORNE, MASS., FEBRUARY, 1939

NO. 2

1938 Summer Project Work at Essex Aggie

Students in the Agricultural Department during the project season of 1938 produced about \$19,000 worth of agricultural products from their ownership projects. In addition they earned nearly \$55,000 by working for various farmers, dairy men, florists etc. Unpaid hours of work showed a further valuation of approximately \$8,600 according to figures released by the Educational Manager last week.

Approximately 190 students were engaged in agricultural activity. Forty-five of these carried on ownership projects in poultry, fruit, vegetable gardening etc., while the remainder were employed in many kinds of agricultural work throughout the county.

The leading project, in point of financial returns was poultry. Eighteen projects produced a valuation of \$15,327.83 of products in the form of broilers, eggs and pullets of laying age. Due to the exceedingly unfavorable weather the returns from the vegetable gardening projects were abnormally low but nineteen of these produced products worth \$2,533.94. Seven fruit projects, mostly producing strawberries and raspberries, showed a return of \$1,083.37.

Approximately 70 men and women were enrolled in evening short unit courses conducted in the fields of dairy farming, dairy laboratory practices and soil improvement work, during the year ending last October. These class members put into effect about 80 improved practices such as Babcock test for milk and cream, standardizing milk and cream, making methylene blue test, keeping production records, culling and replacing unprofitable cows, testing soils for available plant food, adapting fertilizers to crop and soil tests, using preservatives on animal manures, etc. Hundreds of acres of Essex County farm land, several hundred dairy cows, and many thousands of quarts of daily milk output were involved in the benefits accruing from the work of these students carried on under the supervision of the instructors who taught these courses.

H. A. Mostrom,
Educational Manager

The United States Department of Agriculture estimates that there are 624,600 species of insects in the world. In the United States there are more than 20,000 different species, 6,000 of which are actual pests.



MELVILLE G. GREY

Melville Grinnell Gray, graduate of Essex County Agricultural School, class of 1917, was elected President of the Board of Trustees of the school on February 1.

Mr. Grey has been vice-president for several years and now becomes president upon the retirement of the Hon. Ralph S. Bauer. Mr. Grey resides in Wenham and is the owner of the well known Greycroft farm. He has received many honors for his fruits and vegetables and only this past summer received a high award in the Northeastern division for his roadside stand.

Mr. Grey has been honored here in Essex County, he is a member of the County Soil Conservation Committee, a member of the Board of Trustees of the Beverly Trust Co., in Beverly, his native city.

Mr. Michael McGrath of Lynn who has been a member of the Board of Trustees for several years was elected to fill Mr. Grey's place as Vice President.

New Member

Mr. Frederic Winthrop Jr., of Hamilton was appointed on January 25, by Governor Saltonstall, to the Board of Trustees to fill the place of Hon. Ralph S. Bauer, who did not wish to be reappointed because of poor health.

Farmers' and Homemakers' Day

The twenty-fifth annual Farmers' and Home-makers' Day will be held here at Essex County Agricultural School on Wednesday March 22, from 10 o'clock until late afternoon.

There will be a general meeting in the assembly hall of the main building at 10.30, when the story of the McIntosh Apple will be given in forty-five minutes of films, some of them colored. These films are of the famous apple at the Applecrest Farm in Hampton Falls, New Hampshire.

There will be the usual sectional meetings during the afternoon. Mr. Homer J. Huntington, Executive Secretary of the National Egg Institute will show the films "Eggs on Parade" and "Give Fresh Eggs a Break."

Prof. Klein will judge the Chick Show and Prof. Kroeck will judge the Egg Show.

There will be many exhibits, in the Homemaking building there will be class exhibits and the afternoon program for the women will be in this building. One of the speakers will be Prof. Arnold Davis of Massachusetts State College. Prof. Davis will show the pictures he took last summer while in the British Isles. His subject will be "Why an Englishman loves his garden."

Mr. Sterling H. Pool whom many of you will remember had an exhibit of Gourds at the School on Farmers' Day will have his exhibit on display this year. Those who saw it last year will want to see the ones he has added to his collection during the past season. To those of you who have not seen this fine collection of gourds will surely want to as a treat is in store for you.

The 4-H Club department will have an exhibit again this year and there will be the usual trade exhibits of farm machinery, the latest feeds for your hens and new chicks as well as information about lawns, gardens, etc.

Mr. Edwin C. Martin will be in the Soil Conservation office during the day and those who wish information regarding the 1939 program may meet with him and he will be glad to answer your questions.

The March issue of the Farmer and Homemaker will be out before Farmers' and Homemakers' Day and will carry a more detailed program of events.

Contrary to the old legend, a colt's legs do grow after the colt is born.

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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ORIENTAL PEACH MOTH

This pest is becoming more serious
each year. Six persons used parasites
this year but the results were
conflicting. Some thought they had
good results. Others found as many
worms as usual.

The excessive rainfall was very
unfavorable to the parasites and
tended to prevent their activity. This
may be one reason for poor results
in Essex County this year. In New
York and Ohio where the weather
was more nearly normal, the results
from the use of parasites were highly
successful.

New York experiment station
found a direct correlation between
parasitism on twig infested larvae
and the percentage of infested fruit
at harvest time. New York found
that where parasites were liberated
for 6-8 years the average parasitism
of first or twig brood was 25% and
53% of second brood. But where
parasites have been used only 3 or
4 years, parasites were found in
only 4½% to 7½%. This indicates
the cumulative value of using
parasites continuously.

Plans are under way to make
these parasites available from Mass.
State College and at less cost.

The Virginia Agricultural Experiment
Station reports some success
with bait traps.

Francis C. Smith
County Agent

SLEEP

"Oh, sleep! it is a gentle thing.
Beloved from pole to pole!"—

Poets have sung the praises of
sleep and scientists have told us of
its value. Sleeping seems to be such
a natural thing to do, that most
people believe they are doing a pretty
good job of it. True, we may be
unconscious for eight, nine or even
ten hours and feel that since we are
getting so much sleep it must be a
pretty good sign.

As a result of laboratory study over
a period of ten years, modern science
can now show us how to improve
our sleep. The "Medical Record" in
a recent issue stated that forty per
cent of well-educated and successful
Americans feel tired on getting up
mornings. After a night of good
sleep they should have awakened feeling
well rested and even peppy, yet
only eleven per cent woke up feeling
this way. American sleep certainly
does need improving.

Evening excitement is one of the
surest ways to give us a poor night's
sleep. Slight emotional excitement
taken to bed with one has also been
found to disrupt the normal, calm relaxation
of sleep. A chess game, taken
too seriously, is as much of a
sleep disturber as an evening of
bridge. Even a child's birthday party
or some punishment during the
day will upset his sleep.

The antidote for upset sleep is to
calm down mentally and emotionally
before going to bed. Slow down our
thinking, forget serious or exciting
things and try to make our minds as
blank as possible. One price that is
paid for brains is troubled sleep and
although our feeble-minded sleep most
it is the persons with brains who
needs the best sleep.

A hot bath helps to calm emotions
and makes sleep better. Ten long,
deep breaths of fresh air in front of
an open window, or a short walk out
of doors before retiring will also improve
sleep. Experiments have shown
that a light lunch of easily digested
foods, eaten just before going to bed
will help to get rid of those sleep-
robbing hunger pangs which disturb
the sleep of the average grown-up.

Regular bed-time is important.
Some people have the habit of irregularity
in their bedtime which makes
their sleep poorer when they go to
bed early some one night. Going to
bed early is not so important as going
to bed at the same time each night.

Another person sleeping in the
same room is also a sleep thief. Only
the soundest sleepers should allow
some one else to sleep in the same
room. For most disturbances of
sleep some cause can be found.

Just how to discover a sound sleep-
er is a difficult problem. To be a good
sleeper, we should wake up mornings
without needing to be called, feeling
well-rested and energetic—something
that not half of the population does.

FEBRUARY

February, the month when we hon-
or "The Father of our country", and
"The Great Emancipator", is also the
birthday of several women who are
remembered because of their contribu-
tion to the history of our country.

Mary Lyon, educator, and feminist,
was born here in Massachusetts on
February 28, 1797. She founded Mt.
Holyoke Seminary, now a college, in
1837. It was always her dream to
establish a school of higher education
for "the adult female youth in com-
mon walks of life." She struggled to
gain her own education and later
taught school for seventy-five cents
per week.

On February 21, 1855, Alice Free-
man Palmer was born. She was an-
other leader in education for women.
From 1882 to 1887 she served as the
President of Wellesley College.
Howard Shaw and Susan B. Anthony,
both leaders in the suffrage for wo-

men movement, were born on the 14th
and 15th of February respectively, al-
though some 27 years apart. Susan
B. Anthony born in Adams, Massa-
chusetts was not the first strong
minded woman in her family. Her
grandmother and aunt were both out-
standing women in the Quaker meet-
ings.

Anna Howard Shaw was a minister
and doctor as well as being champ-
ion for women's suffrage.

Although born in England on Feb-
ruary 3, 1821, Elizabeth Blackwell
came to this country to try to ful-
fill her desire to study medicine after
having been refused admission to med-
ical schools in England and Paris.
Her efforts in Philadelphia and New
York were also unsuccessful. At last
she entered a small university at Ge-
neva, New York.

The wives of the Doctors and Pro-
fessors refused to recognize her, but
in spite of everything she received
her medical degree in 1849. She gra-
duated at the head of her class and
blazed the trail for the some 80,000
women doctors in the United States
today.

There are other names that could
be added to this list but it would on-
ly go to prove more strongly that
great things may be in store for those
born in February.

Ethel Moore,
Educational Manager
Homemaking Dept.

Dr. Fred A. Moss of George Wash-
ington University, has shown that
the quality of sleep we get is just as
important as the hours of sleep.
Sleep has depth as well as mere
length, and "how well" we sleep is
perhaps even more important than
"how long" we sleep.

Mary E. Roundy

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

FEBRUARY, 1939

STUDENT EDITORS

Homemaking Department

Dorothy MacDonough '39 Beverly
Bertha Robblee '39 Salisbury
Dorothy Peavey '40 Georgetown
Barbara Weston '40 Methuen
Barbara R. Roberts '39 Lawrence
Helen McNeil '39 Salem

Agricultural Department

Aubert S. Giles '39 Danvers
Arnold J. Hebert '40 Saugus
Albert F. Greenaway '39 Marblehead
George Georgantis '39 Lynn

F. F. A. Reporter

SKATING

A majority of the girls this winter chose to spend their physical education periods skating at the pond, where the boys play hockey, instead of doing the usual indoor exercises and games in the gymnasium.

The girls brought their own skates and many of them wore skating costumes. Some of the girls were just beginning to skate, but they were helped by Mrs. Couhig and the girls in the class who were more experienced skaters. Some of the girls also made use of this pond after school. This was an opportunity much appreciated.

B. F. R.

APPRENTICE TEACHER

Miss Mary Callahan of Arlington a Junior at Framingham State Teachers' College is at Essex Aggie for six weeks, teaching and observing. From here she will go for two weeks at a small high school in the state before returning to Framingham.

JUDGING AT BOSTON POULTRY SHOW

On Friday, January 13, the Essex Aggie Poultry judging team, under Instructor Bennett's supervision participated in the contests at the Boston Poultry Show. The team composed of Algerd Ramaika of Haverhill, Conrad Nallet of Andover, and Forrest Reynolds, Jr., of Amesbury, placed first and each member received a medal from the Massachusetts Department of Agriculture.

First and second highest individual scores in the contest were won by Algerd Ramaika and Morgan Meehan. We may well feel proud of the results as five of a total of six medals were won by the Essex Aggie boys.

C. N.

HOMEMAKING HONOR ROLL

The second quarter of the first semester ended January 27, 1939.

Those girls who received a grade of not lower than B in all of their subjects, won a place on the honor roll. Those who have reached such a grade include:

Seniors: Lucy Grover, Salem, Grace Rainey, Methuen, Edith Sharpe, Methuen, Edith Skidmore, Lynn.

Juniors: Olive Judge, Lawrence, Mary Maklae, Peabody, Barbara Weston, Methuen.

Freshmen: Marion Adams, Methuen; Hlene Briggs, Beverly, Reina Gumb, Methuen, Bernice Marsland, Methuen.

High School Division: Helen Andrews, Essex, Mabel Bartlett, Salisbury, Hilda Brown, Peabody, Marion Buckley, Beverly, Alice Croteau, Salem, Agnes Otto, Methuen, Gloria Van Dyne, Beverly.

D. P.

AGRICULTURAL ROLL

Those from the Agricultural department receiving high honors are:

Seniors: Albert Greenaway, Marblehead; Robert Spencer, Raymond Pead, Aubert Giles, Danvers; Alden Crosby, Beverly; John Balzarini, Rockport; Nicholas Dilisio, Swampscott; David Foss, Essex; Conrad Nallet, Andover; Richard Goodale, Middleton, Winston Drake, George Georgantis, Lynn; George Burkhardt, Thomas Dederian, Howard Stone, Ernest Campbell, Earl Nicholson, Methuen.

Juniors: David Irons, Henry Cecelski, Robert MacAfee, Donald Herron, Salem; Robert Chabot, Algerd Ramaika, Haverhill; Martin Sevoian, Warren Nelson, Russell Weinhold, John Wadsworth, Methuen; Arnold Hebert, Saugus; Edward Mitchell, Francis O'Connor, Robert Nichols; William Holt, No. Andover; George Pelletier, Lawrence; Robert Sprague, Peabody.

Sophomores: John Broderick, Joseph Scouller, Lynn; Edward Richard, Wenham, Harold Jones, Danvers, John Adams, Georgetown.

Freshmen (3 year): John Bailly, Saugus; Charles Gibbs, Saugus; Dorothy Ann McGregor, Boxford; John Ambrefe, Beverly, Henry Britton, Rowley; Thyra Fern, Newburyport; Henry Lay, Merrimac; Richard Powers, Haverhill; Victor LaBranche, John Riley, Lawrence, Nelson McLoon, Stanley Dyleski, Lawrence; Thomas Vielgolaski, Lawrence; Warren Brown, Salem; Robert Landry, Gloucester; Eugene Venti, Danvers; Parker Gifford, Middleton, Morgan Meehan, Lynn.

Freshmen (4 year): Robert Gagnon, Lynn; Wilfred Robidoux, Law-

ALUMNI NOTES

Lionel W. Robator '27 is employed by C. Nelson Hardy of Essex. Two other graduates employed at this farm were mentioned in this column last month.

Harold Wolfgram '24 is employed at the Beacon Hill Farm in Newport, Rhode Island.

Chester Clinch '36 is employed in the Dairy division of the Danvers State Hospital.

Irene Burbeck '34 is training at the Addison Gilbert Hospital, Gloucester.

Roberta Thompson '35 is a nurse at the Beverly Hospital.

Bertha Brown '36 is a hairdresser in Salem.

Agnes Burke '36 is a receptionist at the Loring Studio in Lawrence.

Helen Hayden '36 is taking the house attendant nursing course at Robert Bent Bringham Hospital in Boston.

Alice Woodberry '37 is training at the Children's Convalescent Home in Babson Park, Wellesley.

B. R. R.

ECHO CLUB

On Friday, February 24, the Echo Club will entertain the faculty and members of the F. F. A. at a joint assembly. The program will consist of a one-act play entitled "Mother's Cooking". During the remainder of the afternoon dancing will be enjoyed to the music of by "Delma" all-girl orchestra.

H. McN.

ENGAGED

The engagement of Josie D. Sheldon '34 and Milton Pollock, both of Middleton was recently announced.

MARRIED

Word has been received here at the School of the marriage of Elinor Senior '37 of Byfield to Jeffrey C. Thompson of Georgetown.

On January 4, at the parsonage of the Lynnfield Baptist church Albert O. Nunan, Jr., '34 of Saugus was married to Miss Ruth N. Holbrook also of Saugus.

Lillian Jackson '35 was married in October to Albert Gordon of Methuen.

Mildred Wirth '35 was married last August to Roswell Snell of Lawrence.

Grace Taylor '38 was married recently to Alphonso Faber of Salem.

rence; George Solomon, Lawrence; Robert Bradbrook, Peabody.

A. E. G.

DANVERS YELLOW GLOBE
ONION

The following article was especially prepared for the Essex Farmer and Homemaker by Mr. William E. Sanford, farm foreman at this school for 21 years. Mr. Sanford's article last month was on "Cabbage Seed."

To get a successful crop of onion seed we must select a piece of land that is well drained, well manured, which has been cropped for two years and which has really good soil.

It must first be cleared of stones. It must be ploughed 6 to 8 inches deep and harrowed well. It is dragged down and then furrowed out four feet apart. A fine dressing of commercial fertilizer is scattered into the furrow and we are then ready for planting.

The onions are generally stored in a dry cellar in boxes and barrels. They are brought out as soon as the weather warms up a little and shaken out of their containers into the furrow using a bushel to every 5 or 6 feet.

To plant successfully you must get down on your knees and set the onions criss-cross fashion about 4 inches apart. These are then covered with a hand hoe very lightly with about 1-2 inch of soil.

In a few days if it has been very warm and sunny you will find it necessary to cultivate. To get the best results set the last two shares of the cultivator a little snug to the furrow. This answers for hoeing. In 4 or 5 days cultivate again in the same way.

About two weeks later, depending on the growth, use the horse hoe. This will cover them deeper and will kill them up a little. In about another 10 days cultivate and horse hoe also. This will keep the weeds out and keep your onions well covered.

When the onions have been in the ground for about a month it is time to think about the inter crop which goes in between the rows of onions. We have used successfully at different times cucumbers, muskmelons and gourds. I recommend cucumbers as they have the larger leaf and stay close to the ground. The cucumbers too, will be used for seed so we plant the White Spine variety. These are planted in every other row 4 feet apart, with 4 or 5 seed to the hill. In about 10 days these will be big enough to hoe and at the same time thin out leaving only 2 plants to the hill as we want the cucumbers to be as large as possible.

As often as necessary all through the summer we must keep after the weeds and hoe the onions. We can do this well into July when the cucumbers will be large enough to keep the weeds out. We must remember there are three implements to be used often in the raising of seed onions, the cultivator, the hiller and the hoe.

By the first of August the blos-

GREEN AND WHITE

Preparations for the March issue of the Green and White are now underway with the Editorial Board holding weekly meetings. In the Agricultural department the following editors have been appointed for this issue.

Editor-in-chief, Aubert Giles, Danvers Sports, Henry Cecelski, Salem; George Georgantis, Lynn. Alumni, William French, Saugus. Senior Write-ups, Robert Spencer, Danvers.

Exchange, Robert MacAfee, Salem. Specials, John Riley, Methuen; Arnold Hebert, Saugus.

Humor, David Irons, Salem, Donald Hieron, Salem.

F. F. A. Representative, Albert Greenaway, Marblehead.

Business Managers, John Bailey, Robert Bowley, Saugus; Harold Jones, Danvers; Joseph Roche, Marblehead.

Typists, Thyra Fern, Newburyport; Dorothy McGregor, Boxford.

Faculty Advisors, G. E. Gifford, Literary; C. M. Stearns, Business.

PUBLIC SPEAKING

The Essex Aggie contestants in the Public Speaking contest are busy these days rehearsing for the school contest which will be held at assemblies on February 21 and 23.

The district contest will be held at Essex Aggie at one o'clock Wednesday, March 1.

The State Contest will be held at Hadley this year and will take place on March 17. We are hoping that there will be an Essex Aggie boy among this group.

soms will be fully developed. The stalks will be 2 or 3 feet tall and be very heavy. Because of the zig-zag planting they are protecting each other against wind or rain storm. They need this support as the stalks will bend over and you would lose a lot of seed if you did not plant in this way.

At this time when the seed is ready, if any falls it lays on the cucumber leaves and can easily be collected without being destroyed. When the stalks begin to turn a little yellow and blossoms hang heavy, take a sharp knife and basket and go through the rows carefully picking all that is ready. In a week or so the rest will be ready when you make your second and final picking.

It is necessary now to carry the seed to a dry shed or barn and lay it carefully on racks to dry out for about two weeks. These racks are made in gate form, slatted with spaces between.

In another article if there are any interested I would be glad to describe the method used to clean the seed.

W. E. Sanford

F. F. A. MEETING

An all colored film showing the hatching, growing, preparing for market and the consuming of Massachusetts ducklings was shown at a meeting of the Essex Chapter, Future Farmers of America; held on Wednesday, February 1.

This film was obtained through the courtesy of Mr. Earle S. Carpenter, Secretary of Extension Service at Massachusetts State College.

A. H.

FLORICULTURE

The Floriculture club has already made great strides towards the perfection of the 1939 Fall Flower Show to be held next October here at Essex Aggie.

The floor spaces in the gymnasium have all been taken. There will be eight large and five small gardens or natural scenes.

At the February meeting of the club the members enjoyed two talks by their own members. Arnold Hebert told of his experiences in project work growing carnations at Sim's in Saugus and Everett Mitchell told of his summer project work here on the School grounds.

PRINTED FABRICS

A survey of the yard goods counter of the modern store reveals attractive and inexpensive fabrics in printed designs. Each season new designs appear; floral prints for spring, conventional designs for year round wear; novelty prints for children's garments or sports wear.

Each firm which produces printed goods has its own staff of designers who create the designs. Enlarged photographs of the design are transferred to sheets of zinc. The zinc enlargement is painted in the colors which are to appear in the finished design.

The zinc enlargement is placed in a machine called pantograph. The operator of the machine traces all parts of the design which appear in color. The design is transferred in reduced size to the surface of a varnish covered copper roller. The process is repeated for as many rollers as there are colors in the design.

After the rollers leave the pantograph they are etched with nitric acid which deepens the tracings of the design to form grooves.

The rollers are placed in the cloth printing machine and cloth is fed in at an even rate of speed. As the rollers turn they go through a pan of dye. The excess dye is scraped from the surface of the rollers but the dye in the grooves is deposited on the cloth to form the design.

After the cloth is printed, steam, or chemicals are used to set the colors to prevent "running" when the fabric is washed.

Constance Lovett

BUYING FLOWER SEED

The hint of spring in the longer days and the stronger sun, sets us gardening folks thumbing the seed and nursery catalogs and running up a long lists of plants that we wish we had room for in our gardens, but haven't. Then follows the heart-wrenching sifting process in which the pencil is made to cancel the less desirable sorts of herbs, shrub and vine. It takes knowledge, judgement and courage to build this annual list of worthwhile additions to, and replacements in, our home grounds design and cut flower garden from the multitude of tantalizing plant subjects with which seedsmen and plantsmen assail us.

Some people never do plan their purchases ahead of their planting, but just wait for the spirit of garden making to smite them some warm May day, with the result that they buy and plant whatever passing fancy dictates. Such people save themselves the mental strain of planning, pricing, selecting and discarding; they miss the joys of anticipation; they spend much money unwisely; and their garden beds and borders bespeak the vagaries of their plant shopping expeditions.

This month we should be ordering seeds of annuals; next month, shrubs and evergreens; in April, plants of hardy perennials; in May seeds of perennials. This monthly progression allows us time for studious consideration of each plant group in turn as it fits into our general plans and extends our enjoyment of adding to our garden population. Real gardeners never cease planning their work and working their plans.

Annually arises the question, "Where or from whom, shall I get my seeds?" The answer is "From that seedsman, or seed firm, who is known to exercise the most intelligent care in selecting the sources from which he produces the seed he offers for sale."

No seedsman grows all the seeds he sells. Very few grow any large part. Several produce some kinds of seeds, or contract for their production close at hand. Many seedsmen contract with growers in various climatically favorable regions of the world for most of their requirements. While, undoubtedly, much seed is purchased outright in the open market.

Some seedsmen boast of trial grounds and others depend upon the test each grower makes of his product.

Testing for trueness to type necessarily lags a year behind sales. One seedsman at least tests for germination and puts the percentage on his packets. The most reputable seedsmen go or send representatives to the seed fields in California and elsewhere, to inspect the crop and check the thoroughness and vigilance exercised by the grower in truing up and

RADISHES EATEN BY CABBAGE MAGGOT

Did you realize that the cabbage maggot is a competitor of yours and will eat radishes? We have long known of the infestation of cabbage, cauliflower and broccoli with those pest and reports indicate it gets radishes. But the Waltham sleuths are on the job and they found there were safe periods when the maggot was not working. That is, seeding radishes May 23 to June 10, seemed to result in very little infestation by cabbage maggot, and again July 2 to August 12, seemed to be safe periods for 1938. Treatment of seed was not effective.

Francis C. Smith,
County Agent

A HELP IN MIXING FERTILIZERS

A new two-page mimeograph by Prof. Robert E. Young of the Waltham Field Station on Home Mixing of Fertilizers brings this practice up-to-date in a clear and concise manner.

When labor is not too costly and during slack periods, it not only pays to home mix but the product can be made to fill the exact requirements of the crop.

This information is available to commercial growers on application to the Field Station, Waltham, Mass.

Prof. Young has spoken at Essex Aggie to the Vegetable Growers and was here last month as guest speaker at the meeting of the Boston Market Gardeners Association.

type and variety of flowering plants. The condition of the crop in the field, the care used in gathering and curing the seed and other details are scrutinized. There is no room for the unscrupulous seedsmen in the business and he does not long exist, but flower seed is subject to grading and one must not expect to get the most select grades without paying for them. This does not mean that the highest priced seed is necessarily the best for some seed firms have overhead costs of store rentals, sumptuous catalogs, and other publicity expenses, the consumer is required to pay for along with the packet of seed.

If we really go shopping for flower seed through the catalogs of the world we will find ourselves pinning our faith to the firms that profess to take pains in growing or procuring their stocks, and whose seed actually supports their professions by its superior performance, not merely as to germination but by the quality of the bloom in our gardens.

H. Linwood White,
Instructor in Floriculture

GARDEN CHAT

Cabbage is listed among the most commonly cultivated vegetables in the Northern states. Records indicate that the Romans were responsible for introducing cabbage into European gardens. According to Sturtevant's Notes on Edible Plants, cabbage were first noted in Virginia in 1669.

Many classifications of cabbage have been noted but for convenient purposes they may be classed according to their maturing periods: early, midseason and late. Varieties which have done well in Essex County are early; Golden Acre and Copenhagen Market; mid season; Succession; late; Penn. State Ball Head; Drumhead Savoy; and Red Rock for a red variety.

The early variety should be started around the 22nd of February if heads are desired to be cut in early July. The midseason crop should be started around April 20th to first of May, while the late crop should be started about May 25 so that plants will be large enough to set from July 4-10. A common practice for many growers is to follow a strawberry patch with a late crop of cabbage.

When one is short of land, the block row method of setting out the early crop has proved very satisfactory at School. Four rows are set 16 in. x 16 in. and then a skip is left for working at time of setting plants and harvesting heads. In practicing the single row method, set the plants 15 in. - 18 in. apart in the row and 32 in. - 36 in. apart between rows.

Where cabbage is a fairly succulent crop plenty of food and water should be available at all times for the highest yields and quality of crop. A cord of manure and 200 lbs. of superphosphate or 200-250 lbs. of a 5-8-7 fertilizer should be used to 5000 square feet of land. An application of sodium nitrate of 25 lbs. when the heads begin to develop would help.

There are several insects that trouble the cabbage crop. The cabbage maggot attacks the early crop very badly and can be controlled very satisfactorily by using 1-10 oz. of corrosive sublimate per gallon of water. Apply 1-3 to 1-2 cup of the liquid on each plant during the first week of May (when the flies appear) and repeat again one week later. The mid-season and late crops are rarely affected and need no treatments.

The cabbage worm causes much damage to the foliage. One or two application of rotonone applied at the time of heading have proved very satisfactory at the School Market Garden for several years.

Carlton M. Stearns

DANVERS HIGHLANDS' NEWS

On Friday's after school about thirty girls in Danvers Highlands are busy with 4-H club work. For some it is their first year, while others sport second year pins and are anxious to obtain the third year pin at the Spring exhibit.

January 28, was a typical Friday. "The Little Women", five girls, led by Miss Loveys, arranged a visit to the Holten House in Danvers, with the "Hop-to-it" group as their guests. "The Hop-to-its" are a group of fourteen girls with Mrs. Bennett and Mrs. Wright as their leaders. As both these groups are studying home furnishing, the wall papers, hinges, construction and furniture of this early American house were noted and appreciated for their value. While at the Holten house songs were sung and the hike home was made interesting by classifying houses along the way.

On the same Friday, six other girls were meeting at Mrs. Cann's home on Dayton street. This group is "The Kitchenettes". During the previous weeks, they have made cocoa, sandwiches, cookies, puddings and played hostess to all the groups at a Christmas party. At present they are busy making and arranging recipe books.

Yet another group of six girls met with Mrs. Smallwood on Dayton Street. They have taken the name "Dress-ups" for their group and are having a grand time living up to their name. On January 28, two of these girls had a thrill they had anticipated for sometime. They cut out their first dresses. The others had finished their slips before and were busy assembling dresses they had cut out at previous meetings. These girls have been studying patterns and have fitted each pattern to the girl for which it was purchased before cutting their material. They are looking forward to the Appropriate Dress Revue which will be held at Essex Aggie, Saturday, May 27, when they will meet with others in the County and compare their work and experiences.

All meetings are conducted by the girls and open with the pledge and usually some singing, with the girls leading or accompanying at the piano.

The girls have also interested themselves in the Health H. and in some groups members prepare material for report and discussion in Health. Bird life has interested the "Hop-to-it" group and they have fed and reported on the birds seen. Some have encouraged older brothers to build feeding stations.

"The Little Women" are busy right now in crocheting, a new art to most of them. They plan to make chair back sets for the spring exhibit. "The Hop-to-its" are studying crepe paper craft and are making articles for their bedrooms and living rooms. These will also be exhibited in the

KNOW YOUR HERD

The people of Essex County and neighboring counties are much interested in the Dairy herd at the Essex County Agricultural School. Many visitors see our herd, especially on holidays, Saturdays and Sundays. Most of the people who see our pure bred Guernseys and Holstein cows, know very little about them and receive very little information in regard to them because they do not have access to the herd records.

Every citizen should be interested in the production, cost and breeding program of our herd. Our 18 milking cows produce at the present time 175 quarts of milk per day or over 21 lbs. of milk each per day. The milk averages 4.5 per cent butterfat. Each cow produces over 646 lbs. of milk and 29 lbs. of butterfat, per month. Our best Holsteins average to produce more than 10,000 lbs. of milk and 400 lbs. of butterfat per year. Our best Guernseys average to produce over 8,000 lbs. of milk and 425 lbs. of butterfat, per year.

We have just had 2 fine Holstein heifers calve and we expect they will produce over 40 lbs. of 3.8 per cent milk per day.

It cost \$1.55 per hundred weight of milk for the feed cost to produce the milk and a 8 cents per quart shows a net gain over feed cost of 2.17c. per hundredweight.

Our breeding program is planned so as to concentrate the best blood in our herd (as shown by production records and type) in our offspring. For example we are using a proven Holstein sire on our Holstein cows with the idea of concentrating as much of this proven sire blood as possible in our off spring. We will use half brother and half sister of this bull to insure a liberal amount of the record bull's blood in our herd. Of course any breeding program after a fair trial that does not produce satisfactory results will be discarded and a different system of breeding will be tried.

It is our hope when visitors visit our herd they will have in mind our production, cost and breeding programs so that they may appreciate the dairy herd at Essex Aggie.

John C. Eastwood.

Adding an acid substance such as vinegar or lemon juice to red cabbage after it has been cooked will help to restore the red color, according to the Massachusetts State College home economics department. Likewise cooking a highly colored vegetable in milk helps to retain the color.

Spring, with the scrapbooks on special phases of home furnishings.

Mrs. J. Stanley Bennett

It is work like this that makes 4-H Clubs not only worthwhile but keeps both the members and their leaders interested in the movement.

PRUNING OF GRAPEVINES

Very few plants respond more generally to pruning than does the grapevine. In sections where grapes are grown in a large way, annual dormant pruning and training are considered indispensable. If we grow only a few vines we frequently forget that important job which is sure to help our vines.

Pruning helps to keep the grapevine within manageable limits and to increase the vigor. By pruning, the quantity of fruit may be increased or diminished, the quality of fruit improved, wounded and diseased parts removed, and spraying and cultivation facilitated.

The ideal time for grapevine pruning is now approaching. Although pruning is practiced at any time during the dormant season (after the leaves fall and before the buds swell) late winter after danger from severe freezing is over and before April 1 is the best. March is the best month, for after April 1 bleeding usually results. Summer pruning, although formerly followed, is not advised because it weakens the vines, delays maturity of the wood and fruit and tends to reduce the sugar content of the grapes.

Bunches of grapes are born on the shoots which develop from the wood of last season's growth (called canes). Last season's growth is identified by its brown color and smooth, close-fitting bark. The guiding principle in pruning the grapevine is to preserve just enough of last year's growth to yield a normal crop. All other parts should be removed. The amount of bearing wood left depends upon the system of training followed. Two to six canes per vine are usually left; each cane should have twelve or more buds. On a neglected vine more bearing wood than this should be left for the first year or two of annual pruning.

Upon request, the Essex County Agricultural School will supply any one interested with literature on how to train grapevines upon the standard systems.

For the home grape owner the arbor or fence makes a satisfactory trellis, if one adheres to the above principle of pruning, and carefully spaces and ties up the bearing canes.

The canes should be tied up loosely with a soft string. Most of the cuts can be made with a good pair of hand pruning shears. In removing the pruned off parts from the trellis, care should be exercised not to injure the canes which are left to fruit. It is well to remember that if the vine is properly pruned much more wood is removed than is left.

C. M. Wood
Instructor in Fruit Growing

ESSEX FARMER AND HOME MAKER

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NO. 3

Our Project Placement Program

A few days ago our first student (let's call him Tom) finished his class work for the year. He first brought to the desk of the Educational Manager certain papers indicating he had completed all classroom requirements up to that time. Moreover, he had with him a plan or program of work calling for him to report at once to a certain Essex County farmer who had agreed to employ Tom for the summer. This arrangement with the farmer had received the approval of Tom's parents, the school director and the agricultural instructors who have been teaching Tom throughout the winter months.

Tom was the first of more than two hundred boys who will follow a similar change of program from the classroom to the farm from week to week until late in April. Then the classroom instruction is discontinued for the summer. Some of these boys will be located on their home farms; a small group will be employed in various divisions of the School farm; the majority of them (since so many of our boys come from town or city homes) will be placed, like Tom, with some farmer, dairyman or poultryman, possibly on a private estate or in similar positions.

Since Tom's case is typical, let's follow him a bit farther in his program for the summer. Soon after he reached his project, Tom's instructor dropped in to see that Tom had adjusted himself to his new situation and was making a good start. He also went over with Tom the essential things in connection with his job at that particular time. You see, Tom's contact with the School does not end for the summer when he leaves for project. Instead of Tom coming to School, his instructor will now go to him regularly all summer to teach "on the job". Thus he will be under instruction in fact the year round.

It may be also that Tom's employer will be just as interested and ask as many questions as Tom. It is often that way as instructors make their calls on the boys throughout the summer.

At the end of Tom's first week, and each week thereafter, he will write a report of his activities to be mailed to the School. He will also keep account of the hours and kind of work he does daily, for it is essential to know just how much training experience he is receiving in each of the various kinds of jobs he does on the

Sowing Flower Seed Preparation

Folks with greenhouses have been stealing a march on Mother Nature. Geraniums in pots for Memorial Day, were started from cuttings in September. Double Petunia seed was sown as early as October; Lobelias in January; Snapdragons in February, and so on. Much seed of annuals for summer gardens is planted in March, and more in April. So, by late May, thousands of plants in pots and flats will be ready at the greenhouses everywhere in Essex County for those who would adorn a grave or plant a garden. What a drab old world this would be if it were not for the well-timed, long-sustained, painstaking efforts of our commercial plantsmen, the florists. Now the florist must select from the multitude of potted plants and annuals those for which experience has taught him there is the most demand. He can now grow everything, and he is quite likely to grow mixtures rather than named varieties because an indiscriminating public calls for mixtures.

Thus many a true gardener is left to his own resources and devices to produce annuals of the particular variety he needs to carry out his chosen garden color scheme, and provide succession of bloom.

Perhaps, too, he requires cut flowers of hues to harmonize with the interior of his home.

Faced with the necessity, and prompted by the desire, to grow a portion of his stock, the home gardener, will equip himself with the most practicable and efficient plant starting device within his means to build or purchase and operate.

It is possible to start some annuals from seed on the window sill of a light room.

A sun parlor ordinarily is better. Both lack the overhead light or the small frame or hot bed built against a cellar window in the south foundation wall of the house. The window is removed and heat obtained from the cellar if warm. An improvement on the warm cellar air, is the pipe coil from a tiny water jacketed heater or laundry stove. This is led through the window, about the hotbed walls or under the soil, to maintain an even temperature of 50 degrees nights to 60 degrees or more daytimes. Such heaters burn pea coal and are economical to operate. In such a hotbed clay pans or pots, and small boxes or flats of annuals may be germinated with ease, and the bed used later for transplanting the seedlings at 2" x

Farmers' and Homemakers' Day, Mar. 22

The Twenty-fifth annual Farmers' and Homemakers' Day will be held on Wednesday, March 22 at Essex Aggie with the morning program opening at 10:30 with a program of interest to all in the assembly hall of the main building.

The colored films telling the story of a McIntosh apple from the bud through the whole life history of the apple will be shown. These films are the property of Walter Farmer the proprietor of the famous Applecrest orchards in Hampton Falls, N. H.

At noon there will be an opportunity for those who wish to purchase lunch at the school. The 4-H Service Club of the County will have a cafeteria lunch. This is the same group who have charge of the 4-H Lunch room at Topsfield Fair. The proceeds of their endeavors will go to further the work of 4-H Clubs in the County.

The afternoon program is a bit different the women and the those interested in Floriculture and gardens will meet together in the assembly hall of the main building. Prof. Arnold M. Davis of Mass. State College will give his lecture and pictures of "Why an Englishman loves his garden". Prof. Davis was in the British Isles last summer and took these pictures. Many have been keen to see these pictures. Prof. Davis will speak at 1.30.

The afternoon programs in all sections are so divided that there will be a ten minute recess at 2:25 thus enabling those who wish to change from one group to another to do so without missing any part of the programs.

From 2:35 to 3:30 the ladies will hear two speakers, Allan W. Manchester of Washington, D. C. and Director of the Northeastern Division of the Agricultural Adjustment Administration, has a very important message to impart to the housewives.

Homer I. Huntington, Executive Secretary of the National Egg Institute will show the colored film "Give a Fresh Egg a Break". Those who have seen this film report it is "beautiful".

While the Homemakers are thus engrossed there will be the usual sectional meetings for the men. The General Farmers and the Market Gardeners will meet at 1.30 in the assembly hall of the Homemaking Building to hear Mr. Manchester on the Program of the Soil Conservation.

Following the recess the group

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(Continued on page 3, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

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ADVISORY COUNCIL MEETS

The Advisory Council of the Women's Department of the Extension Service met at the Essex Aggie, March 9, for lunch at 12:30 followed by a board meeting to discuss plans for the coming year.

Those who attended the meeting were: Mrs. Carl Dodge of West Newbury; Mrs. George Jones, Essex; Mrs. J. M. Sargent and Mrs. Carl Malmquist of Merrimac; Mrs. Felix Carr and Mrs. James T. McNiff, Peabody; Mrs. Bertram Savage, Newbury; Mrs. Richard Costello and Mrs. Walter E. Dean, Lawrence; Mrs. Charles Sweetser, Mrs. Frank Spofford, South Groveland; Mrs. Frank Hodgdon, Rowley; Mrs. E. O. Little, Boxford; Miss Laurel Ruddock, Mrs. Franklin Robblee, Salisbury; Miss Marion Parker, Beverly; Mrs. A. E. Oleson, Manchester; Mrs. Charles Reynolds, Lynn; Miss Clara M. Kearney, Mrs. Walter Hill, Swampscott; Mrs. Charles A. Andrew, West Boxford; Mrs. James H. Benham, Gloucester; Mrs. Edward Duggan, Cliftonhead; Mrs. Jerome A. Hardy, Newburyport; Mrs. R. Howard Pettingill, Georgetown; and Mrs. Hazen H. Richardson of Middleton.

Mary M. McIntire.

CONQUER PLANT DISEASES

It is believed that plant disease organisms have become more abundant in the soils of Essex County during the past two years. It will be remembered that growing seasons in 1937 and 1938 were wetter than normal. Such a condition was decidedly favorable for the growth, development and reproduction of plant disease organisms. Without doubt hordes of destructive organisms are now in the soil, in overwhelming plant refuse, or on the seeds themselves. These organisms will, when conditions are favorable, invade and destroy plant tissue, thereby reducing crop returns.

Since anticipation is half the battle in conquering plant diseases to follow such recommended practices as seed or soil treatment, rotation, sanitation, spraying and dusting. Right now you can purchase treated seed or treat it yourself. If you plan to treat your own seed refer to the article titled, "Crop Insurance Through Seed Treatment", which appeared in the March 1938 issue, or write to the School for information.

If you anticipate trouble from Damping-off fungi in flats, pots or benches, you should at least consider the use of formaldehyde dust. It is relatively easy to make your own dust: 1 pint of Formaldehyde to five and two-thirds pounds of a carrier. This carrier can be made by using equal parts of dry, screened, well rotted compost or peat and dry loam soil. Dr. Boyd of the Mass. State Extension Service recommends that the formaldehyde be poured onto the carrier in an old insecticide drum, stirring briefly with a board or shovel, add a few stones, and then apply the lid tightly and roll the drum for several minutes until the contents are thoroughly mixed. Always prepare the dust in a closed container for the formaldehyde fumes are very irritating to the nose and eyes.

Dr. Boyd's other recommendations are: In treating soil to be used in flats, boxes, pots and benches, add the dust at the rate of one-half pound per bushel of soil, preferably on the bench or floor, and mix thoroughly with a shovel or hoe. Or, add the dust directly to soil in green house benches and beds at the rate of 1.75 ounces per square foot area where the soil is three to four inches deep.

Immediately after treating the soil and filling the flats, benches, etc., sow the seeds in the usual way and then water the soil thoroughly, using enough to moisten it through. If you fail to water thoroughly at this time, the treatment may not be effective and injury may occur to germination.

NOTE: For quick germinating seeds like lettuce, cabbage and cauliflower, and some flowers, wait two days after treating and watering the soil before sowing the seed, to avoid injury.

In treating soil for pricking-out

OUR PROJECT PLACEMENT PROGRAM

(Continued from page 1, col. 1)

farm. If on his own productive project he will not only keep record of his hours but also of all expenditures and receipts. These records and reports will count, together with his rating in actually doing the work, as the grade earned on his project toward his diploma credits.

Let me pause here to pay my sincere respect to the large number of Essex County farmers, gardeners, florists and others who provide these instructional opportunities for Tom and his fellow students, and without whom our school could not possibly carry out its program.

These folks make it possible for our boys to obtain the needed experience to become proficient in doing the jobs of farming. We learn to do by doing. No one ever yet learned to milk a cow, or plow a field, harness and drive a horse, or the thousand and one other jobs of farming by reading how to do them from a book. It is on the farms of these real friends of the School that the boys who have no home farm learn to do these jobs.

The boys come to their work with varying degrees of training and experience. Some have considerable — others very little. Their employers are really teachers on the job and as they come to understand the part they play in the training of the boys, we find most understanding handling of the boys and fine cooperation in providing opportunities for the greatest amount of useful experience during the summer. In return, the boy and the School take pains to see that the employer is repaid for his interest, his time and money in the form of faithful work and a loyal interest in the welfare and success of the farmer's business.

H. A. Mostrom

The above article is an excerpt of the radio talk given by Mr. Mostrom on February 28 over Station WLAW, Lawrence.

or transplanting seedlings, the treatment should be completed, including the watering, at least three days before the plants are set. Plants set in freshly treated soil may be severely injured.

Precaution: Do not place tight covers on freshly treated flats and beds, but leave them open for at least three or four days to allow the formaldehyde fumes to escape.

Since the use of formaldehyde dust early in the season in out-door hot-beds sometimes causes marked injury to seed germination its use in seed-beds should be limited to sash houses and greenhouses.

James F. Gallant

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

MARCH, 1939

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PUBLIC SPEAKING

The Essex Aggie boys have had their local and district public speaking contests and are keenly awaiting the outcome of the State contest which will be held on Friday, March 17 at Hatfield.

In the local contest, Newton Henriksen was first with John P. Riley, second and John Ambrefe as alternate.

On Wednesday, March 1, the successful teams from Norfolk and Bristol Aggie came to Essex. The winners of this contest were: Lewis J. Ward of Norfolk, John P. Riley and Newton Henriksen both from Essex Aggie. Richard Sewell of Norfolk was alternate.

During the afternoon as a break in the program of so many boys speaking, we all enjoyed the three groups of songs given by Kimball Dacy of Danvers, son of our own Instructor Dacy. Mrs. Harold Mostrom was accompanist for him. Mr. Mostrom presided at the meeting.

The judges were Rev. Russell Loesch of Danvers, Alfred Law of Methuen, principal of the Methuen Evening High school and Dimon Lockwood, a well known farmer of Essex County, residing in Boxford.

JUNIOR PROM

The E. C. A. S. Junior Prom was held at the School on March 17. "Al Duffy's High Hatters" was the orchestra engaged for the pleasure of the merry-makers. A short period of dancing was followed by a grand march, at which time favors were distributed. Refreshments were served at intermission. The hall was decorated in a manner heralding the coming of spring. The favors were in keeping with St. Patrick's Day.

DEPARTMENTAL EXHIBITS

The various departments of the Homemaking school will have exhibits showing the work taught. The following exhibits will be in the Home building.

FOODS

The Junior and Senior classes under the capable direction of Mrs. Butman will have an exhibition of different types of foods made by using potatoes and potato flour. Among these are included, soups, chowders, raised bread, dumplings, muffins, omelets, waffles, pancakes, croquettes, salads, doughnuts, cakes, candies, pies and noodles. Also there will be various fried food shapes, chips, spirals, balls, shoe strings, and lattice. There will be twenty-five varieties of colored potatoes as well as varieties of white potatoes.

Under the direction of Miss McKunkin another group of girls will have two tables set up for two types of serving, the family service and formal service. The same menu for both types of service will be used.

B. R. R.

ACADEMIC

In the library will be exhibited notebooks on "Houseing" made by members of the High School B & C divisions under Miss Clarke's supervision. These notebooks contain the outlines from class work and pamphlet and bulletin material collected outside by individuals. Collection of poems compiled by Juniors will be on exhibition in the library also. These poems include those which were studied in class and any other favorite poems of the individual students.

On the bulletin board outside the library will be sketches which were done by the Juniors on "The Sketch Book."

B. R.

CLOTHING

In Mrs. Dunn's room work done by Senior and High School A & B. divisions will be displayed. Mrs. Dunn and Miss McKunkin are the instructors. The display will include pajamas, housecoats, wool dresses and suits.

To ladies who are interested, there will be demonstration of making a slant pocket.

Junior and Freshman clothing projects will be exhibited in Mrs. Clapp's room. These projects are children's clothes, wool skirts, and silk blouses.

Miss Smith will display the various clothing made by the pupils at home, up to this time in Home Project.

B. R. & H. McN.

YOU MUST KNOW BY NOW

THAT stripes, stripes and more stripes are very important this spring, in every width and color and type of fabric, they may be diagonal, cross-wise, horizontal, vertical or a combination of any or all.

THAT the dirndl still continues to be popular. Now it is a three piece costume, consisting of a full gathered skirt, a basque bodice and a little jacket.

THAT shirtwaist dresses were never more in popular favor. The material should be the best quality in whatever fiber you choose. There is very little trimming except the buttons on these dresses, but—buttons this year are many and varied, Cups and saucers, dolls, beehives, fans, toy engines, in fact nearly anything that can be made into a button is used.

THAT practically anything goes as a lapel gadget. For instance, a row of beetles, a beetle and a flower, a large fish hook with five tiny fish, even mismatched earrings — of all things!

THAT you should try a crisp white carnation on a dark suit.

THAT you should unearth all your old fobs and chains.

That the new term for an umbrella is a "Chamberlain!"

THAT there are many lovely white handwork lingerie touches in the new clothes.

THAT dots, dots and mots definitely deluge dresses.

THAT coffee color and navy is a new combination of color.

Anna J. Smith

ART

Dress Appreciation: Miss Harris plans to exhibit several posters showing different types of necks and necklines. These posters are being made by several girls in her classes. Also on exhibition will be several notebooks on the topic of Dress Appreciation.

Miss Schneider will have on exhibition articles of handcraft from the Junior division.

CHILD CARE

Mrs. Roundy, for her exhibition, plans to show the correct way of bathing a baby. Also she is going to exhibit several notebooks made by members of her Child Care classes.

RELATED SCIENCE

Miss Lovett plans to have on exhibition the ingredients used in the making of baking powder.

D. MacD.

BASKETBALL 1939

The basketball team started practice a few days after Thanksgiving, with from 6 to 15 showing up daily until Christmas recess. The coach arranged a three team schedule similar to that of last year but soon began to worry about it due to the lack of "Prep" school candidates. He finally called the older boys schedule off after a few close games had been played because only three "Prep" school boys were available.

The High school has many more candidates, their attendance practices have been irregular due to transportation difficulties and the wins have been fewer than in recent years, but a gradual improvement has been noticeable.

The boys whom the coach relied on to make his team click were Andy Kelley of Nahant, John Lynch of Lynn and Captain Horace Dalrymple of Haverhill. John Rowe and Robert Landry of Gloucester, and Conway of Peabody. These boys have worked their way up from the squad until they are recognized along with John Draper of Peabody as the first seven members of the high school squad. With the nucleus of Eugene Venti of Danvers, "Inky" Somers of Rockport and Parker Gifford of Middleton the chances of a good team next year seem bright.

Phillip Couhig, Coach

AGRICULTURAL ASSEMBLIES

An interesting moving picture, concerning the raising of beavers for fur, was shown at the Agricultural Assembly on February 28. This picture was obtained from the Biological Survey and was presented through the auspices of the Fur and Game Club.

Again, on March 2, the boys were entertained by two interesting pictures, the first picture showed the different processes involved in the manufacture of cane sugar by the Revere Sugar Refining Company. The second picture, concerned the growing, harvesting, and processing of cranberries by the Ocean Spray Cranberry Company. Both of these pictures were presented by the Fools Club.

A. S. G.

F. F. A. ELECTION

The Essex Chapter, Future Farmers of America, held their annual election on March 7. David Irons of Salem was elected president; Newton Henriksen, Lawrence, vice-president; Edward Mitchell, Lynn, secretary; William French, Lynn, treasurer; F. F. A. Reporter, Donald Herron, Salem. The class representatives are Senior class, Warren Nelson, Methuen; Junior, James Malley, Methuen; and Sophomore, Robert Gagnon of Lynn.

HOCKEY

A Hockey team was organized this year for the first time during the past seven years. The new "Bauer Rink" provided better playing conditions than usual. We always seem to have our best ice during the long Christmas holidays when it has not been possible to get the candidates together as a team.

However four games were played this year and a great deal of enthusiasm was shown on the part of the boys.

The opening game with Wilmington was a close contest which Aggie lost 3 to 2. Winsor and Nichols each scored a goal with Nichols and Gagnon getting assists.

The second game resulted in an Aggie victory over Marblehead, by a 4 to 1 score. Gagnon scored two goals, Winsor and Wilkins one each, Winsor, Gagnon, Powers and Nichols had assists.

The third game which was played with two of our best players absent, resulted in a one sided victory for Wilmington by the score of 5 to 0. Brown our goalie, was injured in the first period and had to be removed.

The final game with Marblehead was won by the Headers by a 2 to 1 score. Winsor scored the only Aggie goal assisted by Gagnon.

We have good prospects for a better team next year as none of the members will be lost by graduation.

Players—Weinhold, Nichols, rw; Winsor, Powers, Mooreland, lw; Maxwell, Lay, rd; McLoon, Emerson, ld; Brown, goalie, Wentworth, manager Henriksen, assistant manager

C. O. Cartwright

ALUMNI AND STAFF NOTES

J. Philip Webber '37 of Middleton, is substituting in the Middleton and Essex Aggie Libraries, in the absence of Miss Sarah Carleton, who met with a serious accident several weeks ago. As we go to print we are happy to report that Miss Carleton is much better and expects to be back to her desk soon.

Theron Johnson '33 of Saugus has begun his work as foreman in the fruit division of the School.

Ray Turner '29 is route foreman at R. H. Sawyer's in Bradford.

Arthur Gordon '29 is a member of the school committee in Rowley while G. Stanley Smith '26 is the town treasurer of Rowley.

Melvin Lowe a former student at Essex Aggie is in partnership in a poultry feed and supply business in Saugus.

Kenneth Nolan '34 is establishing a poultry business at Greenacres in Georgetown.

Wallace S. Moreland '21 of College Farm, New Jersey is chairman of the committee of Agricultural College Editors Committee for the World's Poultry Congress to be held in Cleveland, Ohio in July.

A daughter was born on February

ECHO CLUB PLAY

On February 24, the Echo Club of the Homemaking department, presented the play "Mother's Cooking", at a joint assembly. A list of the characters and the girls who took the parts follows: Loretta Page, Helen McNeil of Salem; Mrs. Glenn Page, Sr., Ellen Casey, Beverly; Alice Wells, Gladys Cranton, Haverhill; Grace Burns, Edith Skidmore, Lynn; Irene Nesbit, Betty Walsh, Beverly.

It's a wise bride who knows her can openers. Loretta's life is just a bed of roses until she is faced with and unpicked chicken and an imminent visit from her husband's mother whom she has never seen. Her husband has told her what a marvelous cook his mother is, but all were surprised to find out what mother's recipe for a good meal was.

B. F. R.

GEORGE WASHINGTON PROGRAM

A program was given, dedicating George Washington's Birthday, by the Senior class of the homemaking department in the Homemaking Building, Tuesday, February 21, with Patricia Sheehy of Peabody in charge.

The Flag Salute was given by the school, and the Star Spangled Banner was sung.

Lucy Grover of Salem read "Washington" by Theodore Parker. The next song was introduced by Patricia Sheehy who told how Yankee Doodle was first sung in this country when the British evacuated Boston and the Americans picked it up and made it popular. "Yankee Doodle" was sung by the school.

A short description "Occupation of Philadelphia" by Brown was read by Lois Archambault of Methuen.

For the closing song the school sang "Columbia the Gem of the Ocean".

D. P.

"CLEANER WHITER CLOTHES"

The many processes that a bag of laundry goes through were shown in a recent moving picture "Cleaner Whiter Clothes", on Thursday, February 16, to the girls of the Homemaking Department. Mrs. Butman introduced Mr. Carl Kruschwitz of the Meadowbrook Laundry. She began her remarks with the statement, "Dirt is matter out of place."

This most instructive picture was shown in connection with laundering, a subject that the freshmen girls are taking. Mr. William Kruschwitz filmed the picture and Mr. Carl Kruschwitz assisted by Mr. Warren Kruschwitz operated the movie projector. B. R. R.

12 at the Lynn hospital to Mr. and Mrs. Harry Sammonds. Mrs. Sammonds was Edith Stevens of the class of '37 before her marriage.

Nelson McLoon '42 is the first of the students to go out on summer project work. He will be at Hall's Poultry Farm in Andover for the season.

GARDEN CHAT

The tomato is known as the "gold apple" and as the "Love apple" to some people. It belongs to the Solanaceae family to which belong the potato, the pepper and the egg plant. Its popularity has increased very decidedly of late years being used as a beverage and rich in vitamins. First mention of the tomato was in 1554 in Italy. Jefferson made reference to the tomato in Virginia back in 1781. History relates that it first appeared in Salem, Mass. in 1802.

This vegetable appears to be quite variable in size, shape and color. There are yellow, red, scarlet and pink colored fruits. Some tomatoes have the size and shape of currants, while others are shaped like pears and plums but are much smaller. The tomato is a warm climate vegetable.

The seeds are sown in flats around March 10th to 15th. In three weeks, they are ready to be transplanted into 3-inch pots or hotbeds where they stay until ready to go into the field, from the 10th of May to the 1st of June. In the hotbeds they are generally set three inches by three inches. The temperature for growing tomatoes should be kept at 60°F. at night, and from 75 on cloudy to 90° on sunny days. Keep plants on the dry side rather than to supply too much water so as to produce a good stocky plant. An excessive supply of water will cause a spindly plant. It is well to dust or spray the plants once or twice, while the plants are growing in the beds, with Bordeaux to prevent any spread of blight from plant to plant.

When setting in the field, tomato plants to be trellised should be set 12-15 in. in the row and there should be four feet between rows. When the tomatoes are grown on the ground they are set 3 to 4 feet apart each way. At School it has been found very advantageous to cover the ground about the plants with several inches of mulch such as marsh hay, lawn mowings, etc. to aid in holding the moisture for the plants. It also keeps weed growth down, reduces blossom end rot and cracking.

For tomato varieties, many are listed in the seed catalogues. A good strain of Comet is best for trellising, while for field grown tomatoes, plant Bonny Best, John Baer, Marglobe or Stone.

A cord of manure and 200 lbs. of superphosphate, or 200-250 lbs. of a 5-8-7 fertilizer should be used to 5000 square feet of land. Don't add any nitrate of soda as a top dressing until after the first fruits have begun to color up.

The flea beetle is one of the early insects that troubles tomatoes. Apply lead or calcium arsenate for their control. Refer to Extension leaflet

SOWING FLOWER SEED

(Continued from page 1, col. 2)

2", or more, where they may stay until weather permits bedding out.

Where the hotbed is small and current is inexpensive, electric resistance cables are laid on the ground and covered with soil. This heat can be thermostatically regulated.

These hotbeds can be started and seed placed in them from March 1st on. If heat is turned on early, plenty of old carpeting, blankets, or straw mats, should be on hand for covering the glass on freezing nights. Abundant air and even moisture are essential to germinating seedlings, but only judgement born of intelligence and tempered by experience, can guide us in ventilating and watering. Too much water and too little air are quite certain to bring about damping-off or spindly growth.

One can have a self-ventilating hotbed, but it is actuated by a shift in temperature, rather than any requirement that the bed should remain open a while after watering, and on some damp, cool, cloudy day. Tending a hotbed is no sinecure and one is likely to find himself in the position of the New York dairy farmers who used to come to me for cabbage plants in the spring, and again for cabbage in the fall, because the hens had eaten the young plants.

H. Linwood White

Sequel in the April issue will be "Sowing Flower Seed, Indoors and Out."

COMMENCEMENT ISSUE OF THE GREEN AND WHITE

The March issue of the Green and White will soon make its appearance. This issue is the Commencement number. It contains individual pictures of the graduating class as well as the record of their achievements here at Essex Aggie. The literary section of this issue contains several fine stories and essays. Copies may be obtained from Mr. Stearns in the Agricultural building or from Miss Emerson in the Homemaking Building.

A. S. G.

No. 116 published by the Extension Dept. of the State College at Amherst, Mass.

Blight, early or late, is one of the most troublesome diseases to control. Use of Bordeaux dust or spray at regular intervals beginning in the hotbeds should be followed.

To trellis tomatoes, remove all growth growing out between the main stem and the leaves. This growth is spoken of as "sucker" or lateral growth. Plants should be gone over every ten days to remove this excess growth so that food and water will promote leader and fruit development.

C. M. Stearns

FARMERS' AND HOMEMAKERS' DAY, MARCH 22

(Continued from page 1, col. 3) will divide and the General Farmers will hear Mark H. Galusha, Director of Livestock Disease Control, in the State Department of Agriculture, and Prof. C. J. Fawcett, Extension Animal husbandman.

The Market Gardeners will hear Walter Dykstra, Junior District Agent of the Bureau of Biological Survey. His talk will be followed by a discussion period led by Melville G. Grey of Wenhams and Harold Rogers of Ward Hill.

The Fruit Growers will meet for the afternoon in Room 38 of the Main Building with Dr. W. W. Smith of the Horticultural department of the University of New Hampshire. He will give an illustrated lecture on "The Winter Injury of Apple Trees."

Prof. W. H. Thies of Massachusetts State College will lecture on "Hurricane Damages and Remedies" and Prof. Dykstra will speak on "Mouse Control in the Orchard". He is bringing with him a Rodent exhibit.

The Poultry section will hear Jules Kroeck of the Division of Markets of the State Department of Agriculture as well as Prof. G. T. Klein of the Poultry Division at Mass. State College.

Following these talks there will be the annual auction of Baby Chicks and this year there will be the Eggs from the Egg Show.

There will be several exhibits of interest, namely: the Goat exhibit, the Rodent exhibit and one of the most out-standing will be the Gourd Exhibit by Sterling H. Pool.

In conversation with Mr. Pool the other day he said that all those in the exhibit this year will be ones that can be grown here in Essex County.

Mr. Pool is endeavoring to get Mrs. Edwards of Southboro to come and demonstrate the making of the Patio or Gourd Strings. Many of them are sold in the fall, but the majority of them to date have been made of gourds and seed pods which come from California, Mexico or South America. These that Mrs. Edwards will make will be of gourds and seed pods native to Essex County.

There will be the usual Trade Exhibits which are interesting to the Farmers.

It is the hope of your committees that many of you will reserve all day Wednesday, March 22 to come to Essex Aggie for ideas and inspiration for the coming months.

At one time in England and Europe there was quite a prejudice against potatoes as a food. A group called the Society for the Prevention of Unwholesome Diet tried to boycott this food and succeeded only in giving the potato a new name, spud, formed from the initial letters of the society.



4 - H CLUB NOTES



SERVICE CLUB HONORS LOCAL LEADERS

At a recent meeting of the Essex County Service Club, new awards were given for the first time in Essex County. These awards were presented to local leaders by members of the Service Club. The presentations were made during a most impressive and inspirational candle light service, capably conducted by Mr. Horace J. Shute and Miss Helen Walker. The service opened by singing "America the Beautiful", followed by the lighting of three candles representing the Nation, State and County. Service Club members then escorted those having faithfully served as leaders for ten years or more into the circle of honor and after telling briefly of their record of achievements, were then presented with a new leadership pin. Miss Walker assisted, presenting each honored guest with a white carnation. Following the presentations, Mr. Shute effectively expressed the true meaning of the leadership pin, and the service was brought to a close with the lighting of candles among the entire group and the singing of "Follow the Glean".

Those receiving the leadership pins were: Mrs. Henry Albrecht, North Andover; Mrs. Leon Jordan, Groveland; Mrs. Arthur Usher, Danvers; Miss Marion Parker, Beverly; Miss Myra Smith, Merrimac; Miss Sarah Corbett, West Boxford; Miss Harriett Smith, Newbury; Mr. Silas Little, Newbury; Miss Clara Putnam, Andover; Miss Edna Rundquist, Gloucester; Mrs. Horace Shute, Methuen.

The Service Club members respect the local leaders of Essex County and express their true feeling in the following poem.

It isn't the job you intended to do
Or the work you have just begun
That puts you right on the ledger sheet

It's the work you really have done.

Our credits are built on the work that we do

Our debits on the work that we shirk
But the one who totals that greatest plus

Is the one who completes his work.

The business meeting with Mildred Cann presiding, was followed by three guest speakers. Mr. George Erickson, County 4-H Club Agent at Middlesex, spoke to the group on Town Committees. A subject of much interest to those attending. Rev. Mr. McArthur of Sterling had as his subject "Rewards of Leadership". County Commissioner C. F. Nelson Pratt then addressed the group expressing

SPECIAL AWARD

At a meeting held recently at the Essex County Agricultural School, Miss Helen A. Walker, Assistant County Club Agent, presented a special award to Thelma Milnes of Groveland. Miss Milnes received a silver bracelet, a special gift from the National Committee of 4-H Club work, for her splendid record achieved at the State Appropriate Dress Revue last June in Amherst. She modeled an evening gown and wrap which she had made. Only four of these awards were given in Massachusetts and we are proud to know that one of our girls, scored among the winners.

Family certificates were presented to the Arthur Usher family, William Cann, Henry Albrecht, Leon Jordan, Silas Little and Henry Guild families. These certificates are awarded to those, wherein each member of the family participates in some phase of 4-H Club work.

4-H HORIZONS

A new magazine especially for 4-H Club members has recently been published, known as 4-H Horizons. This magazine is the greatest youth magazine I have seen so far. It is full of real 4-H Club stories and records of club members, it also contains interesting articles on nature, adventure and human interest stories, as well as hobby notes and stories of both young and old.

4-H Horizons is the real thing for every family. It has been accepted by the National Committee of 4-H policies. Among its editorial staff is Dr. C. B. Smith, former head of 4-H Club work in Washington, also Charles Eibach, a former 4-H Club member of Massachusetts.

This magazine will be distributed through an agent in each club who will sell subscriptions to the members as well as outsiders.

May I urge every leader to send the name of the agent from his club to the County office as soon as possible.

Horace J. Shute,
County Club Agent.

the desires he wishes accomplished during his term.

Refreshments were served, which brought to a close the first meeting of this kind in any County in Massachusetts.

Mrs. Horace J. Shute

HIKING

Club folks—here's news! Saturday April 22, has been set aside as 4-H Hiking Day. Many clubs have already gone hiking and still more are making plans to take part in the State-wide Hiking Day. You don't have to wait until that day, but do make a special effort to go on hike then.

An exploring hike is fun. Try a zig-zag hike, or a hobo hike. Think of an original idea because recognition will be given to the clubs planning unusual hikes. The leaders will be asked to send in a postcard telling of what their club did on hiking day.

To obtain further information on hiking be sure to listen to the two radio broadcasts which will be given over station WBZ at 11 A. M. On April 1, Mr. Lawrence V. Loy Recreational Specialist at Mass. State College will discuss outdoor cooking. We all know that some of the most enjoyable hikes include an outdoor cook. A knapsack lunch is fun too. Be sure to listen for more ideas on April 15. Cap'n Bill Vinal will talk on interesting things to do while hiking, for hiking is not just a walk.

Here is a bit of verse written by a lover of the outdoors:
Alice Kendall

Hike for Health
For Recreation
For Comradeship
For Inspiration.

Hike
To Keep a mountain tryst
To spot perchance an amethyst
For view of the day where the town
leaves off and brooks begin.

Hike
To camp where care grow thin
And stars grow thick
And the sun comes up in the morning.
H. A. W.

4-H CLUB EXHIBITS

The 4-H Club exhibit time will begin this year on May first. Club leaders let's think of a suitable date. Club girls be sure to get your requirements completed.

Start talking about your exhibit now to parents and friends. Be thinking of some ideas for some form of entertainment. It may be a play, a demonstration or a talk by some interesting speaker. As soon as each town decides upon the date of their exhibition please write in to the County office and let us about it.

Helen A. Walker,
Asst. County Club Agent

ESSEX FARMER AND HOME MAKER

VOL. 21

HATHORNE, MASS., APRIL, 1939

NO. 4

Do You Know These Facts About Color

That color is physical, that it produces an effect in the eye by light waves just as sound does in the ear by sound waves.

That red is the longest wave which our eyes can register, and is therefore advancing, stimulating, makes objects seem larger.

That blue is the shortest wave which our eyes can see, and is receding, quieting, makes objects seem fur-away and so reduces size.

That pure yellow reflects more light than any other color.

That if you look fixedly at a color and then look away you will see its visual complement. Example, look at a spot of red and you will see spot of blue-green. Look at the sun when it is yellow and you will see spots of blue-purple. This is called "after-image."

That if you wish to increase the brilliance of a color use its after-image color near it.

That colors are toned down by related colors or those neighboring on the color wheel.

That there are three color dimensions, hue, value and intensity.

That hue is the dimension which measures how long or how short the light ray or wave length and tells us what color it is.

That value measures the lightness or darkness of a color and is the most important dimension to consider in color schemes.

That intensity measures the degree of brightness or softness of a color.

That light values suggest daintiness, youth, simplicity, but must be accentuated with dark values to give character.

That dark values suggest weight, sturdiness, vigor, but must be accented with light values to give life.

That a strong contrast of dark and light in large areas is very startling and dramatic, and must be used only with room and furniture of good line and proportions.

That middle values used together must show hue interest as there is no value interest.

That cross-spotting of quite light and quite dark colors in small areas gives a sparkling composition.

That when working out a color scheme from a patterned fabric or paper, find the least noticeable color, and bring that into the scheme for interest.

Margaret R. Harris,
Instructor in Related Arts



A. W. MANCHESTER

Allan W. Manchester, Director of the Northeast Division of the A. A. A. was the guest speaker at the twenty-fifth annual Farmers' and Home-makers' Day, March 22. Mr. Manchester spoke to a joint meeting of the Market Gardeners and General Farmers and then to the Women's meeting. At both meetings he stressed the point that the A. A. A. was the best plan yet devised for aiding the farmers. He urged all to join in this spring's program for the conservation of the land.

The various sectional meetings were held as usual during the afternoon, with the attendance not quite as large as the past few years. When one stops to think that there was so much snow and ice on the ground that no autos were allowed to park on the school grounds we marvel at the courage of people to come for an all day meeting. Those who are in the know report that 310 cars were parked on each side of the road from below here up to the Middleton line.

Among the principal speakers of the day were Walter Farmer of Applecrest Orchard who gave an illustrated lecture of the "Story of a McIntosh Apple," Prof. Arnold Davis, showed colored pictures of his trip to England and the English gardens, and Homer I. Huntington with technical pictures of "Give Fresh Eggs a Break."

Mr. Sterling Pool and members of the New England Gourd Society had

(Continued on page 2, col 1)

The Romance of Baked Beans

as told to me by my mother

"Up from chaos rises loveliness. Every cloud has a silver lining. Every cross has its crown". From Fear came Boston Baked Beans.

Back in the days when the French settlers and Indians mis-understood one another, there lived a French man, his wife and small son in a tiny hewn house.

Spring had come and the good woman had cleaned her house, finishing by making a beautiful design with sand on her floor. Her husband had soaked some beans and was scooping them up with both hands, letting them fall back into the water and was remarking that the English settlers didn't soak beans before planting them. His patient mate was more concerned about her sand pattern than the condition of the beans and she began to reprimand him for dripping water on the floor. Suddenly came the warning of an Indian attack, from the little son.

The beans must be hidden, otherwise their food supply would be low for the next winter. The fire-place oven seemed to be the best place and as the good farmer was about to put the beans in hiding, the wife decided the piece of pork lying on the table would be safe with the beans. She just couldn't part with her one treasure a glass pitcher, and so emptied the contents, syrup, into the beans and wrapped the pitcher up in her apron.

The little boy with an eye for economy saw a sprouting onion and a dried pepper, so threw them into the beans. With great haste the family, mounted their horse, rode away and managed to escape from the Indians.

Two days later the tired, worn and hungry family returned to find their house whole, but the hidden kettle was in the middle of the kitchen table, nearly empty. The atmosphere was filled with that lovely, indescribable Baked Bean aroma and so they all tasted of the remains. Just then a tall Indian warrior filled the doorway trying to show his good-will to the family, his fondness for the cooked beans and the desire to know how they had been prepared.

Consequently, to the Fear between the French and Indians we may give the glory and honor of Baked Beans!

Harriet M. Butman,
Instructor of Foods

Essex Farmer and Homemaker

HATHORNE, MASS.

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Allan W. Manchester

(Continued from page 1, col. 2)

an outstanding exhibit of gourds and
gourd garlands. Mrs. John Edward of
Southboro demonstrated the making
of the garlands while Mrs. Edward
Stuart of Waban, Mrs. Winchester of
Reading, and Mrs. Lincoln of Mil-
ford, New Hampshire, arranged the
exhibit.

The Dairymen heard a talk by
Mark A. Galusha and Prof. C. J.
Fawcett; while the Market Gardeners
and the Fruit Growers heard Walter
Dykstra, Dr. W. W. Smith of University
of New Hampshire as well as
Prof. W. H. Thies, of Mass. State Col-
lege.

Julius Kroeck spoke to the poultry-
men and judged the Egg Show while
Prof. Gay T. Klein judged the Baby
Chick Show and spoke of the World's
Poultry Congress to come in July in
Cleveland.

The 4-H Service Club had charge of
the Cafeteria and they report a neat
sum cleared which will be used to
further the work of 4-H in the Coun-
ty.

SOWING FLOWER SEED INDOORS

Having made ready as an ideal an
environment as possible for the germi-
nation of seed and growth of seed-
lings to the transplanting stage, we
are ready for the real job of sowing
the seed. Much seed is sown in shal-
low drills directly in the hotbed or
cold frame and this is especially
practicable for large or vigorously
germinating seed. Seed may be broad-
casted in frames or hotbeds in rec-
tangular plots.

More convenient are shallow wood-
en boxes or "flats" of convenient di-
mensions, say 14 x 20 x 3 inches, and
made of durable pine, redwood or cy-
press, with three inch wide boards on
the bottom nailed to allow quarter-
inch cracks for drainage. One inch
holes in tight bottoms will do. Over
the cracks rough screenings of soil,
or a thin layer of leaves are placed.
"Cocks", squarish pieces of broken
pots with a slight curvature, will do
to cover the holes.

The ideal container for the amateur
is undoubtedly the clay bulb pan. A
crock will cover the drain hole.

Standard seed soil consists of equal
parts of garden loam, sharp bank
sand and leafmold. The ingredients
are sifted before mixture: the loam
and leafmold through a 4 to 6 mesh
per inch screen, the sand
through an 8 mesh. If the leafmold
is unavailable moss peat, rubbed
through a 6 mesh screen, is excellent.
Have the mixture quite moist before
sowing.

In case experience has taught us
to expect loss of seedlings through
damping-off or stem rot, control may
be secured through steaming, scald-
ing, or baking the soil for two hours
at 180 to 212° F. In no case should
the temperature exceed that of steam
212° F. Sterilization kills fungi, bacte-
ria and weed seeds.

Now we place the crock, hump up,
over the drainhole, heap the pan with
the soil mixture, jar soil down by a
tap of pan on the table, level soil
even with the rim, and press with a
cylindrical block of wood or cover of
a baking powder can. Make surface
of soil level without hollow or hum-
mock or slope. For fine seed have
surface very smooth and firm but not
hard.

Sow the seed evenly over the entire
surface; and sow thinly. After sow-
ing, we press the seed into the soil,
and sift a thin layer of the same
soil over the seed—only enough to
cover it its own thickness. We do not
cover tiny seed at all.

After the seed is sown, insert a
label. A square piece of glass is laid
over the pan to help retain the mois-
ture in the surface soil where the
seeds are. This glass has been paint-
ed, or a piece of paper is slipped un-
der it, provided the pan is to have
the benefit of the sun's heat.

The pan is now immersed in tepid
water to its rim until the surface
darkens with the up moving water.

SPRING FROSTS

May is the month to be concerned
about spring frosts. Each and every
grower will have his or her problem—
it may be that wonderful bloom in the
orchard or strawberry bed; that early
piece of corn or beans; or the fine
transplants, newly set in the garden.
Since frost is a problem which varies
with local topography and conditions,
it is obvious that the grower is usu-
ally familiar with frost behavior on his
own place; hence experience ordinari-
ly indicates a reasonably safe date to
plant, or set out plants. Furthermore,
when weather conditions are such as
might indicate a frost, precautions
should be taken to avoid disastrous
consequences to sensitive crops.

It is well to remember that ex-
tremes tend to follow each other and
while an unusually warm period does
not always mean a frost will follow,
yet the fact that most frosts do fol-
low such periods, should put the grow-
er on his or her guard. Being familiar
with the conditions immediately pre-
ceding a frost—the relatively rapid
fall of temperature during the late
afternoon or evening associated with
a clear, cloudless, calm night—the
grower can follow past procedures,
when possible, thereby checking the
seriousness of the frost hazard.

In order to obtain early crops and
to reduce the hazard of frost dam-
age, many growers are now starting
their seeds under protective cover-
ings such as hotcaps and other de-
vices. The hotcap is fairly resistant
to wind and rain, keeps the soil fri-
able, is easy to handle, and has proven
to be worthwhile here at the
school.

Gardeners and large fruit growers
in Essex County have had considera-
ble success with the use of oil pots.
They have discovered that the results
justify the time and expense. Some
growers, strawberry people in par-
ticular, have used hay, straw and
other special coverings with satisfac-
tory results. Certainly, Nature's warn-
ings, and sometimes supplementary
warnings by way of the radio, will
give the thoughtful grower who is
prepared and on his toes, sufficient
time to do a satisfactory preventive
job if it is at all feasible.

James F. Gallant,
Science Instructor

Remove the pan to drain; then place
in a warm situation—say 60 to 70° F.

Pans must be checked twice a day
as to moisture. The surface should
never be permitted to get dry; nei-
ther should it be left wet.

As the seedlings break through, air
is given by tilting the glass, and
when the seedlings are well up, all
possible sunlight is turned on them,
avoiding only excessive heat. Fresh
air, sunlight, and water should pro-
vide us with sturdy plantlets for our
pains.

H. Linwood White,
Instructor in Floriculture

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

APRIL, 1939

STUDENT EDITORS

Homemaking Department

Dorothy MacDonough '39 Beverly
Bertha Robblee '39 Salisbury
Barbara Weston '40 Methuen
Barbara R. Roberts '39 Lawrence
Helen McNeil '39 Salem

Agricultural Department

Aubert S. Giles '39 Danvers
Arnold J. Hebert '40 Saugus
Albert F. Greenaway '39 Marblehead
George Georgantis '39 Lynn

F. F. A. Reporter

Donald Herron '40, Salem

DINNER PROJECT

The Senior class under the supervision of Miss Emerson is engaged in the planning and cooking of a series of dinners. Each student has an opportunity to plan a menu, make out the market order, figure the cost, and plan the work. The waitress and the hostess do the cooking, and the meal is served family style. The hostess serves at the table and keeps the conversation in progress. Each student invites three guests, one member of the faculty, and two students. These classes give practice in poise and table manners.

H. McN.

GARDENING CLASSES BEGIN

On March 31, the handcraft classes closed in the Homemaking Department for the Junior girls. They started their gardening classes under the direction of Mr. White of the Agricultural Department. The course consists of the facts and skills a home flower gardener should know.

B. W.

PRACTICE TEACHER

Miss Hope Hathaway of New Bedford who is a Junior at Framingham is the new practice teacher in the Homemaking Department. She will be with us for six weeks.

B. W.

SUBSTITUTE INSTRUCTOR

Due to an arm injury to Mrs. Mary Roundy, R. N. in the Homemaking Department, we have been privileged to have Mrs. Emma Early, R. N. as a substitute teacher. Mrs. Early is a graduate of the Salem Hospital and a resident of Salem, Mass.

H. McN.

RECENT GIFTS

Mr. A. L. Dacy has been most generous in his gifts to the Library in the Homemaking Department. Recently he gave a series of the 'Red Pepper Burns' books by Grace Richmond and eight books on foods. It is needless to repeat that the girls in this department are most appreciative.

Mr. Dacy gave to the library in the Agricultural Department a large collection of nature books, which include several volumes on native, British and European ferns. He also gave many pictures of birds, pamphlets on moths, spiders, beetles and butterflies.

The Trustees of the Institute Library in Danvers have loaned to Essex Aggie School a rare collection of Native birds, bird's eggs and nests, Essex County minerals and a general collection of Natural History objects.

The loan was made possible due to alterations and changes being made in the Library. While it is at present a loan it may become permanent.

MARCH 22, IN THE HOMEMAKING BUILDING

Although school was not in session on Farmers' and Homemakers' Day, March 22, many girls were asked to return and assist in some capacity.

On duty for Mrs. Roundy were the following girls: Mary Webber, Lois Edwards, Audrey Driscoll and Gertrude LeBlanc.

The girls on duty in the dining room for Miss McJunkin and Miss Lovett were: Mabel Bartlett, Helen Andrews, Hilda Brown, Barbara Roberts.

With Mrs. Dunn in the senior clothing room were: Ruth Keleher, Barbara Bacheller, Gloria VanDine, Grace Raimsey, Maribeth Stokes.

Under Mrs. Clapp's supervision in the down stairs clothing room Ilene Briggs, Muriel Craven, Barbara Weston, Elsa Ljunggren.

Mrs. Butman had the following girls on duty for the "Potato Exhibit": Alice Cadoret, Cecile Cheney, Marie LaBell, Marjorie White, and Marilyn Peabody.

For Miss Harris were Alyce McLeod, Louise Leach, Jean Knowles, Edith Boissonneault.

Miss McJunkin had the following in her clothing room Evelyn Chase, Marjorie Sheppard, Eleanor Buswell and Agnes Otton.

In the library to explain the academic work and library procedure were Mary Maklae, Eleanor Taylor, Edith Skidmore, June Agersea.

Girls who ushered in the afternoon were, Hilda Brown, Helen Andrews, Jean Knowles and Alyce McLeod.

B. R. R.

JUST A PENNY SERENADE

About two weeks ago the girls in the High School A Division were recommended for talking so continuously. The girls took the scolding to heart and decided that whoever talked without permission after 9.00 A. M. and 12.30 P. M. bell would have to put a penny into a box which would help to contribute to the expense of going to camp where they are having a house-party April 29 to May 5. Quiet prevails now, although seventeen cents have been collected. The girls, numbering eighteen in all, are going to Alton Bay, New Hampshire, during their next vacation. They are being chaperoned by Mrs. Butman of the Homemaking Staff and Miss Janice G. Brown is acting as hostess.

D. MacD.

MISS DORA ROGERS, SPEAKER ON BEAUTY CULTURE

On Wednesday, April 5, the girls and teachers of the Homecoming Department were entertained by Miss Dora Rogers of the Crest Beauty Shoppe of Salem. Miss Rogers gave a very interesting and educational demonstration of Beauty Culture. These included practical hair-do's and hints on how to improve your best points. Miss Rogers particularly stressed the care and cleanliness of your hair. Another interesting point which Miss Rogers put much emphasis on was to be your natural self; in other words, do not copy any one else, but have people copying you. Those who acted as models were Olive St. Pierre, Marjorie Comer, and Hilda Brown. Judith Williams introduced Miss Rogers and also extended to her in behalf of the department appreciation and thanks for her interesting talk and demonstration.

D. MacD.

RECENT WINNERS

Thyra Fern of Newburyport won second highest honors in the flower judging contest for vocational agricultural students at the Spring Flower Show in Boston last month. Robert Spencer of Danvers was high man in the identification contest.

The School's identification team composed of Thyra Fern, Dorothy McGregor of Boxford and Robert Spencer won third place.

Word has just been received at the school that Martin Svoian of Methuen and Algerd Ramaika of Haverhill are among the winners in the Swift Essay Contest.

HONOR ROLL

The third term honor Roll for the Agricultural students has just been released.

SENIORS: Albert Greenaway, Marblehead; Robert Spencer, Aubert Giles, Danvers; John Balzarini, Rockport; Alden Crosby, Roger Coleman, Beverly; George Burkhardt, Haverhill; Thomas Dederian, Ernest Campbell, Earl Nicholson, Methuen; George Georgantiss, Winston Drake, Lynn; John Hoster, Richard Goodale, Middleton; Conrad Nollet, Andover; Nicholas DiLisio, Swampscott; David Foss, Essex; Elmer Thomas, Salem.

JUNIORS: David Irons, Donald Heron, Robert MacAfee, Salem; Warren Nelson, Martin Sevoian, Russell Weinhold, John Wadsworth, Methuen; Robert Chabot, Haverhill; Arnold Herbert, Saugus; Edward Mitchell, Francis O'Connor, Robert Nichols, Edwin Wentworth, Lynn; Newton Henriksen, Lawrence; Stafford Knight, Danvers; Robert Sprague, Peabody.

SOPHOMORES: John Adams, Georgetown; Joseph Scouller, Lynn; Harold Jones, Danvers; Frank Lane, Manchester.

HIGH SCHOOL GRADUATES: John Ambrefe, Beverly; Thyra Fern, Newburyport; Dorothy McGregor, Boxford; Nelson McLoon, John Riley, Stanley Dyleski, Lawrence; Parker Gifford, Raymond Maxwell, Middleton; Victor LaBranche, Richard Powers, Haverhill; Howard Bacon, Morgan Meehan, Lynn; Robert Landry, Gloucester; Philip Lee, Peabody; Charles Gibbs, Saugus.

FRESHMEN: Robert Gagnon, Lynn; George Solomon, Wilfred Robidoux, Lawrence; Robert Bradbrook, Peabody; Rodney Hills, Georgetown; Edwin Hyde, Nahant; Harold Mates, Norman Whitten, Methuen; Richard Peaslee, Middleton; Robert Spurling, Rowley.

F. F. A. NOTES

Recently 19 members of the Essex Chapter F. F. A. received their bronze F. F. A. pins which signify that they have passed all the requirements for the Future Farmers Degree. These fortunate young men are: Leon C. Dupuis, Newbury; Harold McEwen, Peabody; Frank O. Lane, Manchester; Joseph Ryan, Lynn; Robert Perry, Ballardvale; James Malley, Methuen, Roland LaRochelle, Lawrence; John Coskery, Newburyport, John Adams, Georgetown; Donald Aldrich, Beverly; James Nugent, Newburyport; Robert Jackson, Methuen; John Broderick, Lynn; Leo Hunt, Groveland; Edmond Richard, Wenham; Thomas Leahy, Byfield; Clarence Munroe, Beverly; George Banks, Saugus; and Marland Rivers, Haverhill.

E. F.

NEW BOOKS

Recent accession to the Agricultural Library include the following books: "The Garden of Gourds", L. H. Bailey; "Window Gardens", Bessie Buxton; "Native Woody Plants", U. S. D. A.; "Animal Nutrition", Maynard and Leonard; "Principles of Heredity", L. H. Snyder; "Mink Raising", L. H. Adams; "The Vegetable Growing Business", Watts and Watts; "Spring Flowering Bulbs", Thayer; "Commercial Flower Forcing", Laurie and Chadwick; "1001 Questions and Answers", Hottes; "Book of Annuals", by Hottes; "Plant Propagation", Hottes; "Plant Cultivation", Oliver and Hottes; "The Gladiolus" by the New England Gladiolus Society; and "Genetics" by Herbert.

AGRICULTURAL ASSEMBLY

An inspiring picture tour of our nation's capitol was presented at the Agricultural assembly on March 31. This film showed views of Washington's stately buildings, its many beautiful statues and landmarks, its beautiful parks and the national shrine, Mount Vernon.

The Essex County Chapter of the F. F. A. secured the film from the Pennsylvania Railroad, who produced it in co-operation with Castle Films, Inc.

A. G.

HURRICANE TIMBER

As a result of the hurricane on September 21, the conditions in the woodlands constitute not only a serious fire hazard endangering both human life and forest cover, but a menace to the productive capacity of the woodlands for years to come.

Reduction of excessive accumulation of slash is essential to the accomplishments of two important objectives: (1) Reduction of fire hazard; (2) Restoration of wind thrown areas to a productive condition.

No woodland owner can afford to sit back with the expectation that the government is going to clean up the slash and debris in his woodlands, however, plans are being worked out whereby woodland owners will receive assistance in reducing the fire hazard and to make these areas suitable for reproduction or planting.

May 1, is the last date for applying for payment of practice for clearing woodlands. Contact the County office immediately.

Edwin W. Martin

The editor desires to get first hand information concerning the activities and whereabouts of Essex Aggie Alumni. Changes of addresses, marriages, birth, business ventures are of interest to all. Unless you send them in we have no way of knowing where you are or what you are doing. Please send notices to the editor by the tenth of the month, to insure publication in that month's issue.

ALUMNI NOTES

Ethel Webb, class of 1936, has entered training in the attendant nurses' course at Robert Brigham Hospital in Boston.

Priscilla Hopkins, '37, of Beverly is assistant to the dietitian at the Norwood Hospital.

Richard Davenport of Beverly and a former student here has recently purchased the photography business of George Snow of Beverly. For a number of years this business has been known as the "Snow Studio". For over forty years a studio has been in this same location.

Virginia Larabee '34 who is preparing for the ministry at Bangor Theological Seminary was a recent visitor at Essex Aggie.

Wallace Rennie '28 is employed at Rennie's Strawberry Farm in Andover.

Michael O'Keefe '24 formerly at the Charles River Country Club, is now employed at the Myopia Hunt Club in Hamilton.

Walter Winn '38 is employed in grounds work at Phillips Andover Academy.

Joseph Cote '33 is assistant grounds keeper at the Danvers State Hospital.

James Bulgaris '32 is working for the New England Power Co.

A. Porter Henderson '28 is employed in grounds work at the State Sanatorium in North Reading.

Theodore and Henry Smolak '37 are working on the home farm at Dale Street, North Andover.

John Wilcox '38 is establishing a poultry business with his father in North Andover.

B. F. R.

In our March issue Kenneth Nolan '34 was reported as establishing a poultry business in Georgetown. The name should have been Kenneth Nunan of the same class. Nolan is on the staff of the University of New Hampshire.

ENGAGEMENTS AND WEDDINGS

According to "Hill Topics" the monthly paper at Danvers State Hospital, Louise Semple a member of the staff there has recently announced her engagement to Donald Walton of Wilmington. Louise graduated from Essex Aggie class of 1936, her home is in Gloucester.

Ruth Bradstreet '34 of Danvers was married on March 15 at the Maple street Congregational church to Arthur Covell of North Andover.

Josie Sheldon '34 was married February 25 to Milton Pollock. They are to live in Middleton.

Marriage intentions were filed the other day by Walter Licht of Lawrence, a former student here at the School and Dorothy Abbott '35 of Methuen.

SPRING PIGS

Indications are that spring pigs will bring good prices, therefore it is important that you give the brood sow and her pigs proper care in order to realize the maximum income.

An excellent procedure to follow with the four main jobs connected with spring farrowing are suggested below.

Job: Plan—Preparing Pens for Farrowing

1. Clean out pens.
2. Wash pens.
3. Disinfect pens with lime, chloride of lime, lye or creolin.
4. Arrange sleeping platform so brood sows and pigs will not sleep on cold cement.
5. Place guard rails around pen's two sides may be sufficient to prevent damage to young pigs.
6. Make arrangement for creep, so young pigs can have feeding quarters when they grow older and sow cannot eat their feed.
7. Place clean dry bedding in each pen.

8. In cold weather, provide artificial heat, best temperature between 50 and 60° F. Brooder stoves, Wood stoves, etc.

9. Be sure that the pen is free of all drafts.

Job: Preparing Sow for Farrowing

1. Cut down on ration and feed laxative ration; oil meal to normal ration or Bran mash is good.
2. Sponge udder twice a day for two or three days before farrowing with chlorine 100 P. P. M.
3. Keep sow quiet.

Job: Care of Sow at Farrowing

1. See that farrowing pen is warm, 60° F. and free from draft.
2. Sponge udder with chloride 100 P. P. M.
3. See that all pigs nurse.
4. Remove phlegm from nostrils and start pigs breathing if necessary.
5. If pen is cool, dry pigs as soon as possible and return to the sow.
6. Remove after-birth from the pen as soon as possible.

Job: Care of Sow and Litter after Farrowing

1. Daub sow's udder and teats with ferric or ferrous sulphate and copper sulphate solution to prevent anemia, or sprinkle a soil mixture in the pens made up as follows: 18 grams of ferric or ferrous sulphate and 3 grams of copper sulphate mixed with 100 pounds of soil.

Make copper and ferric sulphate solution as follows: Add to a saturated solution of ferric or ferrous sulphate 3 grams of copper sulphate.

2. Have a formalin solution ready, made up of 1 oz. of formalin to 1 pint of water. If pigs scour, place five drops on each pig's tongue.

If pigs are constipated, use teaspoonful of castor oil per pig.

3. Have lime water ready and give to sow after cutting down on her feed if pigs scour. Lime water made by dissolving 6-8 oz. of rock lime in 1

EXTENSION NOTES

Owners of horses are urged to have all their horses vaccinated before May 15 to prevent Sleeping Sickness and loss of their horses.

New Bulletins: Infant Feeding bulletin has been revised, County or State Extension offices can supply young mothers with this if you will write and ask for it.

A new leaflet tells why fruit trees fail to bear fruit, it is No. 172 and by H. P. Gould and may be obtained by writing to the United States Dept. of Agriculture, Washington, D. C. This is not intended for the commercial growers.

SPRING STYLES

Here are just a few hints about the prevailing styles for your Spring wardrobe as disclosed by Elinor Williams of the Boston Herald-Traveler, who says a "well tailored suit is your wardrobe's best friend and the changes in design have all been for the better, there will be nothing to mark it 'last year' when you wear it this Spring and there are so many styles from which to choose that there is a suit for every figure. In fact, there are so many different kinds of suits this spring than ever before.

Everything is delightfully flattering this year, swing skirts very full, quiet short and patterned after the graceful skating skirt.

The fullness usually starts below the hips, and pleats, gores or flares are equally smart. Cardigan jackets buttoned right up to the neck are very chic and youthful if brightened by a bright scarf or a pique collar or left smartly severe.

Jackets are short and shoulder lines not to be padded; and the hip length jacket is as smart as a long bolero.

Color is everything this spring, pastels were never better and the colors are heavenly. Dusty pink or blue, brilliant cyclamen, all shades of green, golden yellow as well as beige and gray.

Black is even better than usual as a choice, and you will see it everywhere.

Stripes and checks are leaders in spring fashions; stripes will make long girls taller and plump girls slimmer, checks large or small will lift your outfit to the last word in style."

Mary M. McIntire,
Home Demonstration Agent

GARDEN CHAT

Parsley is cultivated in many gardens for use as a garnish or as a seasoning. It is used extensively in flavoring soups and stews. History records that parsley dates back to the Greeks and Romans. The ancients believe that its grateful smell absorbed the fumes of wine and thereby prevented intoxication. First reference of parsley in Massachusetts was noted in 1806, when both the common and the curled were grown.

Sturtevant's notes on Edible Plants has five forms listed: the common flat-leaved, the celery-leaved or Neapolitan, the curled, the fern-leaved and the Hamburg or turnip rooted.

The curled forms are most commonly grown about here. The "Massachusetts Curled" is one of the best varieties which is grown for garnishing and flavoring purposes.

If you plan to raise a few plants in your garden, sow the seed thinly about an eighth inch deep. After the plants are up a half inch or so transplant into pots or flats about 2 in. x 2 in. When warm weather is at hand set out in the garden about 10 to 12 inches apart. The plant food requirements for parsley are the same as for most leaf vegetables.

In the Fall parsley roots can be lifted and placed in 6 to 8 inch flower pots. Keep watered during the Winter months and plenty of leaves may be had to supply the needs of the average home for salads and soup flavoring.

It is safe to plant the hardy vegetables, such as peas, spinach, lettuce, beets, carrots, parsnips and onions. In setting out cabbage and lettuce, later on tomatoes and peppers, be sure that they have been hardened off well before exposing them to the cold nights and frosts. A brownish cast to lettuce and cabbage leaves indicates that they have been hardened off. Tomato plants will show a purplish color cast if they have been hardened off. If you are growing your own plants less water and cooler temperatures will aid to harden plants.

Why not start a compost pile by collecting all the old seeds and rakings from the lawn, etc. Select a spot in the back yard and pile this collected material with alternate layers of lime and organic matter. Leave the top of the pile flat so that water will work into the pile and not run off. Next year, after several turnings of the pile, you will have some excellent material for the lawn or for seedling purposes.

C. M. Stearns

6. It is important to cut the sow's rations when digestive disturbance shows up in the pigs.

7. Cut off tops of sharp teeth in pigs to prevent injury to the sow's udder. Use pair of side cutting pliers for this job.

8. Dip pigs' navel in iodine to prevent infection.

John E. Eastwood

gallon of water—allow to settle and use the clear liquid—1 gallon per sow per day.

4. Make the pigs take plenty of exercise, important to prevent digestive troubles.

5. For caked udder, wash with hot Epsom Salt solution and massage with udder balm.



4 - H CLUB NOTES



GIRLS' DAY

The biggest event for 4-H Club Girls every year is the Annual Essex County Girls' Day. This year it will take place at the E. C. A. S. Homemaking building on Saturday, May 27 at 10 A. M.

There will be a 4-H Appropriation Dress Revue with classes for all ages and all types of costumes: aprons, school dresses, sports outfits, party dresses, silk dresses, wool dresses and suits and graduation dresses as well as classes of renovated garments, knitted outfits, accessories, 4-H uniforms and a new exhibit class for pajamas, house coats and slippers.

I have already heard from one club that is planning on 100 percent participation in the dress revue. I hope there are many more clubs throughout the county that will do likewise.

The Food Contest is something different this year. The girls in clubs 15 and over are to take part. One girl may enter an individual demonstration or two girls from a club may enter as a team. The winning demonstration will be given at the State Girls' Day, June 3 at Mass. State College.

For the younger girls there are three classes. One is preparing and judging muffins; two is for the girls taking the School Lunch program and the third is for any girl or two girls as a team, 10-14, who would like to try a demonstration. There is also a Foods Scrapbook and recipe contest.

A Hike for Health Poster contest open to any 4-H Club member in Massachusetts is another feature. The subject must be on some phase of hiking. There will be two classes: 1. Freehand Drawing; 2. Cut out pictures.

This year we will have a contest for the Home Furnishing Girls. This includes accessories for the Home, any unit of the Girl's Room, Model rooms, room improvement, Home Furnishing Scrapbooks and room plans.

This covers all phases of girls work and I hope just as many girls will participate as possible.

If anyone needs further information, write to the office immediately.

Helen A. Walker,
Asst. County Club Agent

HIKING DAY

Club members, leaders, don't forget the State wide Hiking Day, which is to take place April 22nd. Almost every club in the County is planning to go on a hike on that day and we hope for a fine day.

4-H'ers let's go hiking and remember to send the card telling about the day's activities to the State office.

H. A. W.

ON TO CLEVELAND!

The Essex County Poultry Judging team was victorious on Saturday, April 8, over nine other teams in the State contest at Amherst.

Alton Page and Robert Mitchell both of Saugus were the members of the team. Their prize, is a trip to Cleveland for a week in July, attending the World's Poultry Congress and competing there for scholarships. Their expenses will all be paid while at the Congress.

They gave a demonstration showing the culmination of high quality meat and the profitable production of deep brown eggs. This new breed is known as "White Americans", they are a cross between White Barnevelders and Rhode Island Reds. This breed has been created by Ellery E. Metcalfe of Saugus an Instructor at the School.

"THE GREATEST SHOW ON EARTH"

"The Greatest Show on Earth" is the title of a new leaflet that County 4-H Club Agent Horace J. Shute has recently had made ready for distribution.

In it are the rules and regulations for the starting of a 4-H Club in your community.

The requirement for the various clubs and projects: Canning project; Home Furnishing Project; Conservation; and one that is most timely is the 4-H Garden Project with the requirement for the Vegetable garden, Flower garden and the Home Grounds Improvement.

If you are interested in starting a new club in your community, get in touch with your county leaders here at the County Office, in Hathorne and they will be more than glad to help you get started.

GOAT BREEDERS ELECT

The annual meeting and dinner of the Essex County Goat Breeders association was held at Essex Aggie on March 28. The following were elected to office. President Kenneth W. Forman; 1st Vice-President, Dr. Frederick H. Packard; 2nd Vice-President, Charles S. Thomas; Secretary, Robert Campbell; Treasurer, Mrs. Charles S. Thomas; member board of directors for three years, Roy L. Fleming.

Dr. Drury of the State Department of Public Health was the guest speaker.

The April meeting of the association was held on April 14, at Essex Aggie. The subject discussed was "The Milk producing efficiency of the Milk Goat."

EXHIBITS

Exhibit time is almost here!

That means requirements must be finished up very soon because every club member must have fulfilled the requirements of their particular project a year before they can receive a pin, seal or certificate.

Everyone looks forward to the time when the year's accomplishments are displayed and judged at a local exhibit. Several communities have already completed plans and others are well under way.

The following towns have set their exhibit dates.

May 6, Methuen
May 12, Groveland
May 18, Beverly
May 19, North Andover
May 22, Gloucester
May 24, Andover
June 7, Boxford

Plan to attend the local exhibit in your town.

H. A. W.

TRUCK GARDEN FIGURES

Truck gardeners may appreciate some figures given by Prof. E. W. Bell, of the Massachusetts State College, at a recent meeting. He compared prices in various other cities to Boston, such as New York, Philadelphia, Cincinnati.

Bunched beets, bunched carrots, celery were always highest priced in Boston for the entire past six years.

Lima beans were highest in Boston 3 out of 6 years. Cabbage only 2 out of 6; Snap beans, 2 out of 6; Sweet Corn and Peas 4 out of 6; Cauliflower 3 out of 6; Onions were at no time highest in Boston.

F. C. Smith

NEW COW TESTER

Jacob Ranta of the class of 1938 has been selected as the new cow tester. He succeeds Charles K. Strong who has received an appointment in the State service.

We are pleased with the selection of Mr. Ranta as it places another graduate of the School in a responsible position. In addition to testing the herds of the members of the Dairy Herd Improvement Association throughout Essex County, he will devote a part of his time to testing the samples of milk which are sent in to the school.

Mr. Ranta entered the Agricultural School from Rockport in 1935 and graduated in the last class. He specialized in livestock and dairy work and is well qualified for his new position.

ESSEX FARMER AND HOME MAKER

VOL. 21

Hathorne, Mass., May 1919 - 1939

NO. 5

Agricultural Dept. Continues To Grow

Some rather notable changes and developments have taken place in connection with the teaching program of the agricultural department since the first issue of the Farmer and Homemaker was published.

During this period the student body has grown from approximately 140 to more than 230 in 1938, the limit of our capacity. The entrance class of the present year was the largest in the history of the school, 100 new students were accepted.

At the same time it has been necessary to expand the teaching staff to a total of 23. Each year has seen improvements and expansion in the teaching program. More courses are being offered, the period arrangements have been improved and the facilities for conducting classes, both on the farm and in the classroom, have been increased. Our library and book equipment have kept pace with this development both in quality and quantity of books, magazines, etc.

Co-equal in importance with the class year program has been the development of an effective project training program. "We learn to do by doing", and to this end teaching on the job has been developed to a high degree. Every student in full time agricultural employment each summer and regularly and frequently visited by his project instructor, is the aim of this program. Careful record keeping, simplified accounting systems, together with weekly reports from each student are important features of the modern summer program of the School.

Efficient use of the school farm, both summer and winter, for instructional purposes, and the development of a group of most loyal and sympathetic farmer employers of our students have been significant factors in developing this part of our program.

Adult education, through short unit work conducted mostly as evening classes, has reached hundreds of people in Essex County in the fields of Poultry, Dairy Manufactures, Fruit Growing Home Grounds Improvement, and Soil Management. This is probably one of the more significant trends in modern vocational education, and our school has kept fully abreast of advances in this field. A complete and up-to-date soil testing service has been established for the benefit of Essex County farmers.

(Continued page 6, col. 3)

Twenty Years Ago

This publication, the Essex Farmer and Homemaker, which is the official organ of information as well as current news concerning the School, reaches the age of twenty years this month. During the fifth of a century which it has been pub-



lished it has aimed to present to the supporting public a true picture of the multiple and increasing plans and activities of the School, together with a bit of the best agricultural and homemaking advances and conclusions which it believes would be valuable for the use of the citizens. We are pleased to present our case to the reading public.

An opportunity would be missed if we failed to analyze briefly the first copy of this publication. Perhaps this is as much for our own information and guidance as for yours. For example, the very first article under the title "An indispensable farm product" discussed milk to a considerable extent. This has been a leading issue with the farmers and with the public ever since and is foremost today.

The editors pay a glowing tribute to the Essex County Associated Boards of Trade, a body of progressive, public-minded citizens who made the establishment of this School possible. This Board has continued to hold a leading place in advising and approving our growth and work.

Another article entitled "Annihilate the apple aphid" is discussing a subject which now holds an important place and is a large problem with the fruit growers today as well as it was twenty years ago.

Since these earlier days the Farm Bureau, at present the Extension Service of the School, has sought to take leadership and become increasingly a potent factor in agriculture and home management in the county. The ceaseless endeavors of the agents have been a monument to the energy

(Continued page 2, col. 2)

Yesterday and Today In the Homemaking Department

Last fall the School passed a very important milestone and celebrated its 25th birthday. With this issue the Farmer and Homemaker is celebrating its 20th birthday.

It was with keen interest that I read the first issues of the Farmer and Homemaker, a few days ago and learned what the school and especially the Homemaking department was doing back in 1919.

The girls had just entertained the County Board of Trade at luncheon. Our girls did that a few months ago. Isn't it gratifying to know that the school still has the continued interest and support of this organization.

Another article mentioned that Seniors were being placed on projects. We are very busy right now answering questions about possible placement of our girls. It was interesting to note, however, that there is a much wider range and variety of work open to the girls in the spring of 1939, than there was for the girls 20 years ago.

In May 1919 plans were under way for a Parents' Day in June to be held from 2 to 6 in the afternoon. Here again the program has grown so that now we plan for an all day program for Parents' Day on June 21.

As I continued to read the issues of this first year, I found myself placing the program of today beside it and noting the way it paralleled at times and then how it would branch off into new fields much as our new super highways of today are leaving the old roads.

May the future issues of the Farmer and Homemaker not only continue the splendid tradition of the past 20 years but may also branch into broader fields of service for the citizens of Essex County.

Ethel Moore,
Educational Manager,
Homemaking Dept.

TWENTY-FIVE YEARS OF EXTENSION SERVICE

Extension Service workers are observing the twenty-fifth anniversary of the passage of the Smith-Lever Law. Here in Essex County Extension Service has been available to men and women since 1917.

Through the operation of the Smith Lever law the work of the Federal

(Continued page 2, col. 1)

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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25 YEARS

(Continued from page 1, col. 3)

and State Departments of Agriculture have been correlated with the work of the Extension Services in the Agricultural Colleges. The local agents assist in spreading the information in agriculture and home economics over the nation. This is called Cooperative Extension Work.

Through this work the men and women of the rural communities can obtain information regarding such matters as when to spray their trees and with what solutions, how to get rid of pests in the gardens, the latest methods of bringing up children, first aid and home hygiene, the refinishing of furniture, or possibly the making of a coat for a child from an adult's coat.

The women of Essex County under the direction of Mrs. Mary McIntire are planning to observe this twenty-fifth anniversary at the Annual Better Homes Day which will be held here at Essex Aggie on Wednesday, June 14. The program is not yet complete, but we can tell you that there will be a demonstration by the General Baking Co. of Charlestown.

TWENTY YEARS AGO

(Continued from page 1, col. 2)

and aggressiveness which this staff has shown.

Allusions would not be complete if mention were not made of the current history which has been recorded concerning the resident instruction departments of agriculture and homemaking in which the Essex Farmer and Homemaker has faithfully attempted to record the happenings and events which have become at least School history. During the period the approximately 1200 students, both boys and girls, now men and women, have received recognition and passed from the field of the student to active, vital, useful citizenship. This is easily the fruit of, and best monument to, the work of the School.

Ordinarily we think that it takes centuries to establish outstanding processes and principles in agriculture and homemaking. If space and time afforded, the entire issue of this paper could be filled with most interesting studies of new things accomplished in our fields since this publication was created.

For example, in the field of poultry husbandry, we have learned to control ruinous diseases which were wrecking the industry. We have only to remember that bacillary white diarrhea is now nearly a problem of the past, much as tuberculosis is in the human race. The control of chicken pox, as well as other virulent diseases, has become known. Coccidiosis is understood and controlled. Poultry raising is now a recognized and staple part of the poultry industry of this region.

We would be remiss if we did not mention a valuable new breed, the White American, which has been developed by Instructor Metcalf of this School, who proceeded along the best scientific lines in the valuable work he has performed. We believe that his work is destined to become an important factor in this industry.

By improved breeding, more scientific feeding, and carefully planned housing, the production of eggs and meat has been greatly stimulated. This has made it necessary for the industry to resort to special methods of advertising to market the output.

What has been said about the poultry industry might be amplified and extended to many fields of endeavor in the branches of agriculture and homemaking, all accomplished during the lifetime of this publication.

With the many agencies of investigation, experimentation, and demonstration, we may expect successful expansion to continue. The utilization of the press, general, special, and technical, will support this program for the benefit of our people. Extension workers will convey and disseminate this information and material with increasing efficiency. The radio, which had not appeared as a practi-

SUGGESTED PRACTICES FOR THE CONTROL OF INSECTS AND DISEASES

1. Follow specific pest control programs as recommended by the Massachusetts State Extension Service. These can be obtained at the Essex County Agricultural School.
2. Utilize up-to-date references as aids in recognition and control.
3. Learn to recognize important pests in all stages and their injuries through actual observation in the field.
4. Have proper equipment and materials in readiness for anticipated pest control.
5. Know how to spray, dust and fumigate properly. Make sure you obtain complete coverage.
6. Do the things that should be done when they ought to be done. Be timely.
7. Perform operations so as to destroy or prevent the occurrence of pests in the field, orchard, under glass, or in the home, such as crop rotation, the use of resistant varieties etc.
8. Use mechanical methods for insect control, such as hand picking, screening, tree banding, etc.
9. Purchase treated or disease free seed and nursery stock.
10. Grow healthy plants.
11. Treat the soil, used in greenhouses, frames, flats, etc., to prevent damping-off.
12. Treat your seed, to prevent damping-off or to destroy seed-borne organisms.
13. Inspect plants, animals, and buildings at regular, frequent intervals for the purpose of discovering pests or pest damage.
14. Keep records. Include pests discovered, weather, temperature, time of application, kind and quality of material used, effectively, etc.

James F. Gallant

COMPLETED COURSE

The following graduates of Essex Aggie have completed the unit course in Soils under the direction of Instructor Alton G. Perkins '23; Victor Pohju '35 of Peabody; George Mosse '34, Lynn; Nicholas Fiore '35, Swampscott; and Clarence Patterson '35 of Peabody.

cal agency for the demonstration of useful knowledge, when this publication began, is now widely used. The farmer and the homemaker, sitting at their own home fireside, may receive the latest and most valuable trade and technical information directly from the mouths of the most competent instructors.

Would that we might forecast what the progress will be during the second twenty years of the Essex Farmer and Homemaker.

GARDEN CHAT

Many of the early plantings of vegetable seed and plants have been made from three to eight days later this year than those made in 1938. The first cutting of asparagus is generally made sometime during the first week of May, but indications for 1939 seem to be for somewhere from the 12th to the 15th of May. The first planting of peas made at School was April 17th this year. Most of the seed rotted in the ground. May we hope that the old motto, "Poor (late) beginning, a good ending" will be true this season.

We should remind ourselves, as we prepare seed beds for many of our small seeds, that we cannot afford to neglect the preparation of land. The soil should be well pulverized, fertilized and smoothed in preparation for those little seeds and seedlings that will occupy during their existence a time from five or six weeks up to five or six months. We would not think of living in a poorly planned or poorly built house; why, therefore, neglect the future living places of these little plants.

Cabbage, cauliflower, broccoli, etc., grown as an early crop, should be treated for cabbage maggot. The first application should be made soon after setting in the field or around the 7th to the 10th of May, and repeated one week later. Corrosive sublimate should be used at the rate of one oz. per 10 gals. of water. Apply 1-3—1-2 cup of this liquid per plant per each application. It has been found desirable to treat the first seeding of cabbage made in the field as well. Some growers are finding the use of calomel very desirable instead of the use of corrosive sublimate.

One of the secrets in using Hot Kaps is to see that the soil where the Kaps are used is moist before placing them on the ground. Seed planted outside of the Kaps will come through much quicker than those under the Kaps where the soil is dry.

Repeated calls come to the school to learn of what tomato varieties are used for trellising. Any variety of tomato can be used to trellis but strains of Comet are particularly desirable. If you plan to trellis tomatoes they can be planted about 15-18 inches between each plant in the row while those grown on the ground should be set 3 or 4 feet apart. If you are interested in growing tomatoes under the trellis method this year, why not visit the school Market Garden and see they how they are grown.

C. M. Stearns.

ESSEX CHAPTER F. F. A.

Looking backward in the files of the Essex Farmer and Homemaker for the year 1930-31, we find accounts of the forming of the Essex Chapter,



Massachusetts Young Farmers of America. The article referred to gives the original membership as 81 out of a possible 115 then enrolled in the Agricultural Department.

The local chapter was organized on March 28, 1930 with the following officers:

President, Lawrence Westcott of Melrose

Vice-President, Donald Bentley, Methuen

Secretary, Robert Bartlett, Beverly
Treasurer, Milton Snow, Andover
Reporter, Harold Bowen, Ipswich
Faculty Advisors, J. E. Eastwood and Ellery E. Metcalf.

In the Essex Farmer and Homemaker dated June 1930 we find Lawrence Westcott and Harold Bowen mentioned as attending the first State convention of the Massachusetts Young Farmers as delegates from the Essex Chapter. The July 1930 issue gives a full account of the first project tour. Twenty students accompanied by Instructors Metcalf, Dacy, Stearns and Gifford, visited Arthur Peatman and Lester Dixon of Andover; Robert Spidell of Methuen; Alexander Lawn at John T. Chadwick's in West Buxford; and Arthur Bulgarris of Byfield. All of these were vegetable garden projects. Another tour was taken that summer visiting projects of Alexander Swiniarski and Earl Blake of Peabody; James Bulgarris and Walter Myslivy at Cherry Hill Farm; Bradford Webb at Grey-croft Farm in Wenham and George Barbeau at Magnusson's Greenhouse in Manchester.

As early as March 1931, plans were made to purchase and operate the roadside stand on the Newburyport Turnpike. Sales of ice cream and candy were reported as returning a profit for the Chapter treasury. We also find that the gas stand was early established to accommodate patrons and to replenish the treasury.

In 1938 fifteen of the present chapter members received their County

THE IMPORTANCE OF DAIRY GOATS

The pure bred dairy goat of today is becoming known not only for the production of a special milk but also as a producer of milk. A good goat will produce 1500 lbs. of milk in a year or an average of 2 quarts a day and many produce even higher. The highest yearly record in the United States is 4400 lbs. On the basis of body weight and amount of feed consumed, good milk goats are as efficient in the production of milk as cows. In general the same feeds that are successful with dairy cows will be found suitable for the goats.

The use of good milk in the diet has often given relief for people having digestive troubles or disturbances due to allergic conditions.

Fat globules of the milk are smaller, and curd formed from this milk is smoother and more flocculent which makes for ease of digestion, and particularly making it adaptable for infant feeding or invalids. There is an alkaline reaction after digestion which is an aid to certain types of stomach ulcers.

In a recent survey conducted by the Massachusetts Department of Public Health in which 124 samples of goats' milk were analyzed; it was found that mineral content ran considerably higher than the average mineral content of cows' milk.

So on the whole we find the dairy goat an economical producer of a special milk particularly adapted to certain uses as well as furnishing the regular family milk supply, though needing intensive care.

Roy L. Fleming,
Dairy Department

MARRIAGE

On Saturday, April 29, Rev. E. Hartwell Daley of Salem a former student at Essex Aggie was married to Miss Jean Jeffery of Amesbury. They will reside in Agawam, Mass.

Farmer degree while four received their Bay State Farmer degree. The first American Farmer Degree to be awarded to any Massachusetts young man was awarded to a former active member of the Essex Chapter, Ernest Thayer. He received this degree last October at Kansas City at the National Convention of Future Farmers of America.

This paper Essex Farmer and Homemaker has proven of great value in preserving bits of chapter history in permanent form.

G. E. Gifford

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

4

ESSEX FARMER AND HOMEMAKER

STUDENT EDITORS

Homemaking Department

Dorothy MacDonough '39 Beverly
Bertha Robblee '39 Salisbury
Barbara Weston '40 Methuen
Barbara R. Roberts '39 Lawrence
Helen McNeil '39 Salem

Agricultural Department

Aubert S. Giles '39 Danvers
Arnold J. Hebert '40 Saugus
Albert F. Greenaway '39 Marblehead
George Georgantis '39 Lynn

F. F. A. Reporter

Donald Herron '40, Salem

ARBOR DAY PROGRAM

Friday, April 28, a program was presented for Arbor Day. The first part of the program took place in the Agricultural Building, with Mr. Mostrom, chairman.

"A Prayer" by Edward Markham, Lois Archambault.

"Arbor Day Proclamation", Nicholas DiLisio.

"Trees" by Joyce Kilmer, Homemaking Glee Club.

"A Plea for Conservation", John Riley.

"The American Linden", Eugene Cahill.

"School Song", Assembly.

Afterwards trees were planted on the campus to replace those blown down by the hurricane. Among those planted were American Lindens, American Elms, Oaks, and Maples. Any student who desired assisted in planting these trees had an opportunity to do so and the teachers also took advantage of the invitation.

B. F. R.

HOME AGAIN, HOME AGAIN OH, HOW WEARY!

On Saturday, April 29, fourteen girls accompanied by Mrs. Harriet Butman of the Homemaking Department Staff, started on their trip for a week's stay at Alton Bay, N. H.

The group enjoyed many hours of hiking in and around Alton. Good weather prevailed and during the last of the week, the girls gathered may flowers which grew along the mountain side.

Janice Brown of Salem acted as hostess to the following girls: Bertha Rosum, Marion Buckley, June Greenough, Gloria Van Dine and Dorothy MacDonough all of Beverly; Beatrice Woodworth, Danvers, Gladys Cranton, Haverhill, Marion Bell and Martha Wieland of Methuen; Ruth Kelleher and Eileen Menard of Lawrence; Betty Cauty of Salem.

D. MacD.

PARENTS' DAY

The students in the Homemaking Department as well as the members of the staff have already started their plans for the annual Parents' Day which will be held on Wednesday, June 21.

This is an all day affair and with warm weather many of the activities will be out of doors.

JUNE FLOWER SHOW

The Junior Girls will hold their June Garden Show on Tuesday and Wednesday, June 20 and 21. The Show will be held in the Floriculture building at the greenhouse and will be open to the public on Tuesday afternoon and evening and Wednesday morning and afternoon.

Those attending Parents' Day will have an opportunity to view the show and any others interested are most welcome to attend at any of the above hours.

Alice Cadoret of Methuen is chairman and manager of the Show and Eleanor Taylor also of Methuen is clerk for the show.

SENIOR ASSEMBLIES

The senior English class is again this year taking charge of some of the assemblies in the Homemaking Department. The programs were arranged and presented by the girls with a little coaching from Miss Clarke.

The first program was for the observance of Patriots' Day with Mildred Burke of Methuen in charge. The students sang the following songs during the program: "The Star Spangled Banner" and "God Bless America". The participants read the following poems; "Revolutionary Alarm" Edith Sharpe of Methuen; "Battle of Lexington and Concord", Athalie Adams of Rowley; "Concord Hymn", Mary Anderson of Salem; "The Nineteenth of April", Edith Skidmore, Lynn; "Patriotism", Helen Lambert of Lawrence.

The second assembly was a Spring Program conducted by Grace Ramey of Methuen. The participants read appropriate poems which were: "Night in Spring", Ada Marsland of Methuen; "The First Bluebird", Wyota Purington, Rowley; "An April Morning", Frances Gangi, Lawrence; and "Ah Sweet is Tipperary", Olive St. Pierre of Salem. The songs that were sung during the program were: "Sweet Miss Mary" and "O Month of May".

B. W.

"CITRUS ON PARADE"

The Homemaking Department enjoyed an assembly in the form of moving pictures entitled "Citrus on Parade".

They joined the Sunkist Co., on a trip to California just at the right season to see the oranges at their height. Expert hands clipped the oranges from the trees and then they were shipped to the factories where the neat attendants prepared them for market. The oranges and lemons were displayed as appetizers, salads, fruit cups, desserts and beverages. Few people realize the great importance that the citrus fruit play in the planning of our everyday meals. Aside from the fact that they provide variety they are of a highly nutritious value. It is a proven fact that general health may be greatly benefited by the everyday use of citrus fruits.

H. McN.

ALUMNI NOTES

In response to letters sent out by the Alumni Secretary, Horace J. Shute, to all alumni a few weeks ago, the following notes have been gleaned.

Saul Freedman '17 is a doctor of medicine, surgery is his specialty. His address is 156 West 86 Street, New York City.

Grace Mann '38 is living at home, 9 Evans Place, Amesbury.

Edna L. Hayward '33 is residing at 378 Salem Street, Lynnfield.

Elvira Savielli '36 is an Assistant Dietitian and her address is 32 Fitz Street, Lawrence.

Ernest Dowdall '27 is doing general farming, his address is 1710 Canton avenue, Milton.

Ralph W. Armstrong '29 is residing at 11 Essex Avenue, East Lynn.

Roger H. Lewis '25 at present is a Market Gardner, Lowell Street, Andover.

Lorin G. Clark '36 is working at the greenhouse of the Leland Estate in Manchester, Mass.

Alden '36 and Paul Parker '37 of Topsfield are engaged in the poultry business. Paul attended an evening course at Wentworth Institute during the winter.

Ernest Tarbox '36 of Saugus is now employed in a commercial greenhouse near Worcester.

Adam Tatarunis '35 of North Andover, was a recent visitor at the school. He is interested in keeping in touch with school activities.

ATHLETIC DAY

On Tuesday, April 25, the Home-making department students and faculty held a get-together luncheon and entertainment. This was put on in place of the annual Athletic Banquet.

The following girls were awarded letters: Marjorie White of Beverly; Marie Nystedt, Marblehead; Dorothy Ann McGregor, Boxford; Helen Andrews, Essex; Janice Brown, Alice Croteau and Betty Canty of Salem.

Those receiving numerals were: Olive Judge, Lawrence; Mary Maklae, Peabody; Evelyn Griffin, Gloucester; Ruth Chenery, Peabody; Judith Williams and Mary Buckley of Beverly; Muriel Craven and Alice Cadoret of Methuen.

Each class put on a short stunt and the faculty members did their part also. The following teachers took part, Miss Anna Smith, Miss Verna Clarke, Mrs. Abbie Clapp, Mrs. Mary Roundy, Miss Margaret Harris, Miss Ethel Moore, Miss Bessie McDunkin, and Mrs. Beatrice Couhig.

Freshmen B: Muriel Pontius, Ilene Briggs, Muriel Craven, Marion Adams, Phyllis Cook, Velma Robinson, Ruth Woelfel, Lillian Kilgour, Dorothy Bozek, Claire Burgess, Evelyn Seacole, Alice Currier, Jean Gallagher, Dorothy Livingston, Rhoda MacMillan.

Freshmen A: Frances Calvert, Christine Brunn, Lucille Treamer, Dorothy Gravel, Bertha Delduca, Miss Ruth Emerson.

Juniors: Edith Boissonneault, Alice Cadoret, Barbara Weston, Muriel Spinney, Mary Johnson, Kay Hitchcock, Ruth Call, Marie LaBelle, Ruth Munroe, Cecile Cheney, Olive Judge, Eleanor Taylor, Dorothea Carter, Marilyn Peabody, Mary White, Mary Maklae, Eileen Murphy.

Seniors: Mildred Burke, Ada Marsland, Lois Archambault, Lucy Grover, Athalie Adams, Edith Sharp, Williamena Smolak, Edith Skidmore, Mary Anderson, Marie Jacques, Helen Moore, Wyota Purington.

High School A: Marion Buckley, Gloria Van Dine, Dorothy MacDonough, Barbara Bacheller, Ruth Durkee, Janice Brown, Eileen Menard, Beatrice Woodworth,

High School B: Judy Williams, Mary McGrath, Doris Clay, Alice Croteau, Maribeth Stokes, Margery Stone, Bertha Robblee, Lois Edwards, Kay Foster, Jean Knowles, Evelyn Griffin, Natalie Burnham, Ellen Casey, Betty Walsh, Audrey Boisvert, Marie Nystedt.

High School C: Marjorie Sheppard, Audrey Driscoll, Agnes Otto, Elea-



PROJECT NOTES

The boys of the Agricultural Department of the School send in reports each week of their activities while out on projects. From these reports, during the summer, we will record some items of interest.

The first week of my project started off with a bang, I was set to work picking up rocks and hauling them away on a drag. I set lettuce plants and dug witch grass to keep it from spreading. I ran a horse drawn fertilizer spreader over the field where peas and squash will be planted. One rainy day I cut potatoes for seed.

R. Gagnon, May 5

The potatoes are nearly all planted now. Twenty-seven hundred pounds in all. There were three varieties, Warba, Kathadin, and Chippewa. The potatoes were cut and coated in corrosive sublimate solution and allowed to dry before planting.

On Wednesday night C— and I attended a musical revue sponsored by the Yarmouth Chapter F. F. A. The program was put on by the W. P. A. Federal Theatre organization and proved interesting it would be fine if our chapter could put on something of that nature. I was informed that the National President of the F. F. A. lives here in Cumberland and at present in on a nationwide tour of the organization.

A. Kelley, May 5

BIRTHS

A daughter Barbara Ann was born recently to Mr. and Mrs. R. Burleigh Odiorne of Wilmington. Mr. Odiorne was of the class of 1923 and for several years was president of the Alumni association.

A daughter, Lydia Joyce, was born to Mr. and Mrs. Warren Killam of Readfield, Maine. Mr. Killam is a former student at Essex Aggie and Mrs. Killam before her marriage was Lydia Belle Chase, secretary in the Soil Conservation office.

nor Buswell, Mary Webber, Barbara Roberts.

B. R. R.

HONOR ROLL

Another quarter of the school year has joined the ranks of the march of time and finds the Homemaking Department with another Honor Roll. In order to obtain "honors", the requirements are to receive 80% or above in all subjects.

The list of honor students is as follows:

Freshmen: Ilene Briggs, Beverly; Frances Calvert, Lawrence.

Juniors: Barbara Weston, Methuen. Seniors: Edith Sharpe, Methuen.

High School Graduates: Helen Andrews, Essex, Mabel Bartlett, Salisbury; Hilda Brown, Peabody; and Agnes Otto, Methuen.

In order to receive "honorable mention" a student must obtain at least 80 percent in all subjects except one and the grade for that subject must not be below 70 percent. The list of students fulfilling this requirement is as follows:

Freshmen: Dorothy Bozek, Peabody; Muriel Craven, Methuen; Reina Gomb, Methuen; Bernice Marsland, Methuen; Muriel Pontius, Lynn.

Juniors: Alice Cadoret, Methuen; Olive Judge, Lawrence; Louise Leach, Peabody; Mary Maklae, Peabody; Eleanor Taylor, Methuen.

Seniors: Lucy Grover, Salem; Grace Ramey, Methuen.

High School Graduates: Audrey Boisvert, Beverly; Eleanor Buswell, Salisbury; Marjorie Comer, Salem; Alice Croteau, Salem; Lois Edwards, Beverly; Evelyn Griffin, Gloucester; Gertrude LeBlanc, Peabody; Bertha Robblee, Salisbury; Marjorie Sheppard, Ipswich; Gloria Van Dine, Beverly; and Mary Webber, Salem.

D. MacD.

CUT GRASS HAY EARLY

Early cut hay is much richer in protein and is higher in total digestible nutrients than that which is cut at a later stage of maturity.

Ordinary grass cut June 15 contains 7.0% protein; July 1, 5.8% protein, July 15, 4.0% protein. Translated into pounds of digestible protein per acre, this would mean approximately 147 lbs., 113 lbs., and 92 lbs., respectively. In the last analysis the farmer is concerned with pounds of protein per acre rather than the tonnage of roughage produced per acre.

Early cutting has a decidedly beneficial effect on yield of the second, or rowen crop, in that such crops invariably produce higher than when following late cutting of the first crop, the second crop, likewise, when cut early, is generally equal in feeding value to clover cut at full bloom.

Early cutting will help to cut down your feed bill; it will help to control many pernicious weeds and it is palatable to the cattle.

Cut Your Hay Grasses In Early Bloom.

James F. Gallant,
Science Instructor

POULTRY DEPARTMENT IN REVUE

If one who had been close to the poultry division twenty years ago were to return now after an absence of seventeen or eighteen years, he would probably think one of two things; either his memory was leaving him or that his compass had back-fired. For in those days the present main poultry building was located on the site of the present fruit cellar, and the area about the present greenhouse was studded with small buildings which housed the birds of the Essex County Egg-Laying Contest. The contest was discontinued after several years because of the lack of entries from within the county, and in 1923-24 the main poultry building was moved to its present location, and the "Essex" and "Amherst" houses were erected soon after. Before 1930 the "Permanent" and "Shenandoah" brooder houses were constructed, and the only notable additions in recent years have been two 12x16 modern "barracks" houses for brooding chicks and housing breeders.

The recommendations in 1922 on the relocation of the plant carried some interesting comments regarding the difficulty of walking on the side hill among the contest pens in slippery weather; the outmoded small incubators; the dirt floors in the buildings; the rat problem and poor range conditions, among many others.

Twenty years ago the teaching problem was complicated by the presence of Federal Board men as a result of the world war, and a glance at the class rolls through the years shows some ups and downs in the poultry enrollment, with the current group being about double that of a few years back. Two instructors have been in the poultry department continuously in the twenty years, and they follow in their order of service; Messrs Carver, Hannaford, Doolittle (deceased), Moore, Edwards (deceased), Bennett and Miltimore.

In the early days, students did the work around the contest plants and the school flock; later, a week of practice work for the students was adopted, whereby each student lives at the school for a week and does the various jobs associated with routine plant work. Over a period of years it has been the policy to try to operate the plant on as nearly a commercial basis as possible, but still to give the students an opportunity of learning by doing.

J. Stanley Bennett

HALF WAY STAND

The Half-Way Stand on the Newburyport Turnpike in Danvers will open for the season on May 25. This stand is owned and operated by the Essex Chapter Future Farmers of

FIRST STEP TO CHARM YOUR CLOTHES

Charm, as defined in the dictionary means fascination, and is a quality which few people are born with but many acquire.

Your general appearance and your state of mind about your appearance can go a long way toward making you feel at ease with people. Being at ease is the first step on the road to charm.

Make the most of your looks. Study both your coloring and your figure. Select clothes that accent your good points and your bad points will be less conspicuous. Charm is not a question of money or of the cost of the dress you are wearing. Know that you look well dressed and then forget your clothes. If you are conscious of what you have on you can never give the impression of being at ease.

Another important thing to consider is whether or not you are appropriately dressed. This means the right type of dress for the occasion and the correct accessories for the type of dress. This is not a difficult thing to learn, nor need it be a big expense.

Remember—no matter how inexpensive your costume may be, if it is correct in every detail you will be considered well dressed.

Abbie Clapp,
Instructor in Clothing

AGRICULTURAL DEPT.

(Continued from page 1, col. 1)

An unusual but very satisfactory September program has been developed with the new students during this period. This program features identification contests and intelligence tests, farm visits, a fair survey and a wealth of seasonal agricultural work which give the school an early understanding of the students' capacities and background, and furnishes the boys with the needed experiences for entering upon their year's program of studies.

These are some of the developments which have been accomplished in recent years which have enabled the Essex County Agricultural School to take its place as one of the foremost schools in vocational agricultural education of secondary grade in our country today. The Farmer and Homemaker has served the department well during these years by keeping the public informed of these improvements and changes.

Harold A. Mostrom,
Educational Manager
of Agricultural Department



America and the profits are used for the entire membership. The design and arrangement of products at this stand has attracted attention throughout the state.

Dorothy McGregor of Boxford and Richard Powers of Haverhill have been chosen to tend the stand this year. Patrons are assured of locally grown products sold under the Bay State quality label and approved by the State Department of Agriculture.

Instructor Stearns of the vegetable garden division has general supervision of this F. F. A. activity.

DOES YOUR MONEY HOLD OUT?

In the first issue of the Essex Farmer and Homemaker, May 1919, a small article caught my eye. "Does Your Money Hold Out?" was the heading. Times have not changed much in this respect. We are still asking the same question.

The above mentioned article urged people to keep account of their household expenditures and to send to the Farm Bureau for "an account book particularly adapted to household needs, which was being printed."

BOARD OF PUBLICATION

The second issue of the Farmer and Homemaker had a Board of Publication: Fred A. Smith, Director; Ralph A. Gaskill, County Agricultural Agent; Gladys E. Stratton, Home Demonstration Agent; and F. C. Roberts, Agricultural Department.

Fred A. Smith is still Director; Ralph A. Gaskill is now manager of the Essex County Co-operative Farming Association.

Gladys E. Stratton is Extension Home Management Specialist in Connecticut while F. C. Roberts, resides in Andover and teaches at Boston University.

SOWING FLOWER SEEDS

Outdoors

As the closing article in the recent series on flower seed and seed sowing, this contribution appears late for the sowing of certain seeds that enjoy cool moist soils and low temperatures for their germination. It may be helpful, however, to review outdoor sowing operations for those who are planting Calendulas, Chinasters, Marigolds, Candytuft, Alyssum and later Zinnias.

First of all, the seedbed is prepared with care, the greater for very small seed of uncertain germination, the lesser for large vigorous seed.

We spade deeply, breaking the lumps with the spading fork. Digging under an inch or two of well decayed manure or leafmold will increase the moisture holding properties of the seed soil. Bonemeal, 10 lbs. per 100 square feet, is added before spading. An equal thickness of wet pulverized peatmoss will accomplish similar results.

After spading, the soil is worked into fine tilth by pushing a straight-toothed iron garden rake back and forth through it. It is not enough merely to smooth over the surface although this is finally done. We find a short piece of light board, say 2 to 3 feet long, an excellent implement with which to put on finishing touches. This is held on edge and worked back and forth over the surface. The back of the rake does almost as well.

In case particles of manure or peat are too numerous at the surface, loam may be spread over the surface ground. If fine seed is to be sown a quarter-inch layer of loam is applied through a 4 or 6 mesh per screen. This layer may be pressed firm (not hard with a wooden block or board. Having worked the soil into shape to receive the seed we usually give the bed a gentle but thorough wetting with a watering can or hose, taking care not to puddle the soil. Then no sowing is attempted until the soil surface is no longer muddy.

Flower seed is broadcasted or sown in drills. The latter method permits keeping the weeds under control more easily and delivers rather sturdier seedlings. But a drill for Nasturtiums or Lupines is one thing, and a drill for Babysbreath is a mere indentation made by pressing the tongue of a matched board against the soil. The practice of covering flower seed outdoors 3 or 4 times its thickness suggests the depth of drill required in each instance.

Sifting loam onto the seed gives us rather accurate control of the depth it is covered. After covering we press the soil against the seed with a light block of wood, and sprinkle the seedbed lightly through a fine nozzle. To help retain moisture about the seeds burlap sacks are laid on the bed. A light mulch of salt marsh hay, where available is highly recommended as a substitute. Watering is done

(Continued on column 3)

SPRING GARDENS

To many people my title will immediately bring visions of crocus, daffodil and hyacinth but my thought this time is of food on our tables. What can we get from the spring garden in the food line?

If you are a true New Englander (and maybe if you are not) you left your parsnips in the ground last fall. They froze this winter, thawed this spring and as soon as the ground was soft enough to dig them you had a treasure. You have been enjoying these fresh parsnips for some weeks I hope, but they soon root and grow and then are not as good eating.

Another spring delicacy, although not exactly delicate in flavor is fresh dug horseradish. One root in your garden will spread and last a long time and supply you with more than plenty. This also is best just at the beginning of spring, when the leaves have started enough to tell you where the plant is located. Dig, scrub, scrape and grind. Add vinegar and a little salt and you have a delicious (but potent) relish! This flavor is good mixed with salad dressing or sandwich filling. Tuna or salmon salad or sandwich is greatly improved by a small amount of horseradish. Mixed with plain mayonnaise or with peanut butter it makes a tasty and delicious sandwich. Put some into your French dressing and serve on egg, vegetable or fish salad. As a relish with meat or fish this is also used. And of course it is not necessary to dig and grind your own. It may be purchased all prepared at the grocery store.

Dandelion greens also add freshness and pep to our early spring menus. Get them before they blossom to have them at their best. Cooking with salt pork or else using the water in which corned beef or ham was cooked adds richness and flavor that is very acceptable. All leafy vegetables are very rich in vitamins and minerals and we should get them into our menus frequently. Dandelion greens are an addition to your list.

May, with warm weather, brings our own native asparagus into the market. Let us use lots of it this spring and use it in a variety of ways. Plain, as a vegetable, and on toast are of course the most common uses. Do cook it properly, that means a small amount of boiling salted water and for not too long a period. Cut off the bottom of the stalk until it is very tender and will not take many minutes to get the rest properly cooked. A good idea is to stand it in a small pan with the water half way up the stock. Then with a tight fitting cover, the top tender part steams as the bottom boils. This is the principle of the asparagus cooker. It is similar to a double boiler. The top part is perforated at the bottom so that the stalks are in water as the tips steam.

For variety in serving, try it on toast with cheese sauce or creamed hard cooked eggs and you have a

delicious luncheon or supper dish. Scramble eggs are improved by the addition of cut up asparagus. Hollandaise sauce is delicious on asparagus hot or cold, and of course asparagus salad is excellent. Try it arranged through rings cut from the peel of a lemon or orange in your salad. Au gratin asparagus, creamed and arranged in casserole with cheesy crumbs on top is good for variety. Make soup from the left overs or less tender parts.

One more spring food from our garden is rhubarb. Plain rhubarb sauce with not too sweet cookies or cake, or maybe better still, with fresh doughnuts is a good simple dessert. Here also is a good variation in your breakfast fruit and why not for a cocktail at a luncheon or dinner? Remember it mustn't be too sweet for an appetizer, but why not rhubarb as well as tomato, grapefruit, cranberry, etc? Perhaps you will prefer it mixed in with other fruit juices. Here you have the foundation for an appetizer or a fruit punch. It is excellent for the latter and so inexpensive. Can it now to use in your fruit punch this fall and winter. It is excellent in color if you use the pink stalks and do not peel, but do strain well. In fact why peel rhubarb anyway? The color in the skin surely makes pie, sauce, or pudding more attractive and it is not stringy when properly cooked. Try some raisins in your rhubarb pie and you'll enjoy the combination. Tapioca pudding or brown betty are good when rhubarb is the fruit used. Don't forget rhubarb conserve is a good use for some of the surplus crop.

I have just mentioned a few possibilities from our spring gardens but they are good possibilities and I hope you will try them and enjoy them.

Ruth Emerson,
Instructor of Foods

SOWING FLOWER SEEDS

without removing the covers, and these remain until the seedlings break the surface, when they are promptly removed, and occasional sprinklings given on bright days to insure the establishment of the new generation of plants.

Whenever seed is to be sown directly in the garden where the plants are to remain without transplanting, we prepare the soil similarly to that described, but instead of broadcasting the seed, we sow pinched in spots spaced to conform to the requirement of the mature plants. Again this permits weeding and working the soil among the clumps of seedlings before they are ready to be thinned to one plant in a place.

H. Linwood White,
Instructor in Floriculture



4 - H CLUB NOTES



GIRLS' CONTEST DAY

The biggest event of the year for 4-H girls will take place Saturday, May 27 at Essex Agricultural School, Essex County Girls' Day.

Aprons, dresses, suits to be exhibited must be at the School Wednesday, May 24th. They will be judged Friday, off the girls and Saturday morning beginning at 9.30 on the girls.

The Foods club girls will give demonstrations as well as exhibit food and lunch boxes.

The Home furnishing club girls also have an opportunity to exhibit some of their accomplishments.

The winners of these contests will have the opportunity to compete in the State contest which is to be held on June 3rd, at the Mass. State College.

Helen A. Walker,
Assistant Club Agent

TO CLIMB MT. MONADNOCK

Service Club members everywhere are looking forward to May 21st, when they shall again try to reach the height of Mt. Monadnock in Southern New Hampshire.

The Youth Extension Clubs of New Hampshire (similar to our Service Clubs) have been invited to meet the Massachusetts group on the top and to participate in the program.

An interesting and inspirational series of events have been planned for that day. Rev. K. C. MacArthur of Sterling, a 4-H leader for fourteen years will speak to the gathering during the afternoon.

Essex County Service Club wants to be represented, so plan to be there.

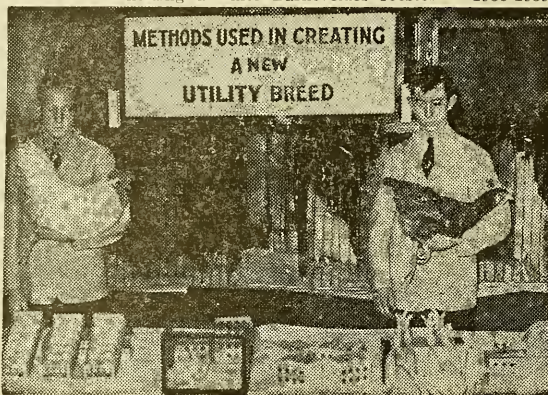
H. A. W.

ATTENTION DAIRY CLUB

Essex County 4-H Dairy Club boys are planning to enter the State contest which will be held later in the season. The winners of the State Contest will compete with other state teams at the National Dairy Show to be held in connection with the San Francisco World's Fair, October 21 to 30.

STATE POULTRY WINNERS

Alton Page, left and Robert Mitchell, right, members of the Red Rooster Poultry Club of Saugus are shown holding a white Barnevelder rooster



and Rhode Island Red pullet, the foundation mating of the new breed known as Metcalf's White Americans. This demonstration won for them a trip to the World's Poultry Congress in Cleveland this summer, and they will represent Massachusetts in the National demonstration contest.

They competed last month in the state demonstration contest at Mass. State College, against nine other teams. They won by their clever handling of six generations of the new breed, their offspring and eggs.

A Dream Comes True

Every poultry club member has dreamed of this wonderful opportunity to visit the World's Poultry Congress. These boys not only dreamed of the trip but worked for it. For nearly two months they studied, worked and demonstrated the processes involved in creating this new breed, under the direction of Ellery E. Metcalf and Horace J. Shute.

Their dream came true when the judges unanimously agreed that their's was the best demonstration.

Their demonstration carries a complete story of the interbreeding of the Rhode Island Red female with the White Barnevelder male with the resulting creation of a new breed known as Metcalf's White Americans.

Demonstrations will be confined to the subjects of breeding, growing, feeding, fitting and judging dairy cattle, and the production and handling of milk and cream on the farm.

For further information contact your County Club Agent.

EXHIBITS

On Saturday May 6 the Nevins Memorial Hall was the scene of the first final 4-H local exhibit for the 1938-1939 season. Three clothing clubs with thirty-six girls took part in the excellent program. There was a group of 300 townspeople there to see the work done by the girls.

Other exhibit dates are:

Haverhill, May 12
Swampscott, May 13
Groveland, May 15
Andover, May 17
Gloucester, May 22
Danvers (Highland Gang) May 23
North Andover, May 24
Boxford, June 7
Danvers (Mrs. Molitor) June 9

H. A. W.

Demonstrating their talk with six successive generations of living birds and eggs the boys showed a comprehensive knowledge of their subject. The trap nesting methods, and pedigree charts, were also shown to illustrate all phases of the development of this new breed. This new utility breed has a combination of early maturity, high production of deep brown eggs and exceptionally plump bodies through all stages of growth.

Further Opportunity

On July 27, the boys will leave for the World's Poultry Congress in Cleveland with Club Agent Horace J. Shute, to compete in the National Demonstration contest. Here the boys will enjoy the youth program which is being held in connection with the Congress for the first time. Their demonstration will be a part of the Hall of Youth, which will be filled with the exhibits of Youth activities.

If they are successful in winning the National contest, they will be eligible for substantial scholarships for college.

A great deal of credit goes to Mr. Ellery E. Metcalf of Saugus for the development of this team. Mr. Metcalf is the founder of this breed and he supplied the material and subject matter for the team. He will also exhibit his new breed at the Congress. Horace J. Shute, County Club Agent

ESSEX FARMER AND HOME MAKER

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HATHORNE, MASS., JUNE, 1939

NO. 6

Parent's Day

On Wednesday, June 21, the Home-making Department will hold its annual Parent's Day, starting at 10 A. M.

The program opens with inspection of exhibits at the building followed by a Physical Education Exhibition at 11 A. M., at Bauer Field under the direction of Mrs. Coughig. From 12 to 2 P. M., luncheon will be eaten. Ice cream and tonic is to be sold at the Bauer Field and also on the school campus. At two o'clock in the assembly hall, Miss Anna Kloss, Supervisor of Household Arts Education in the Vocational Division of the State Department of Education is to speak on the subject "Looking Ahead".

Gown Shoppe

"Gloria's Gown Shoppe", a fashion show under the supervision of Mrs. Dunn, will follow Miss Kloss. Then Ilene Briggs, Bernice Marsland, Marjorie Comer, and Rhoda MacMillan will serve afternoon tea to all the guests.

Exhibits to be seen at the Home-making building: Foods—In the main dining room there is to be a display of four luncheon tables with colorful meals. The three high school divisions and the Senior Class are putting this exhibit on under the supervision of Miss Emerson and Miss McJunkin. Jean Knowles and Katherine Foster are demonstrating how to make simple and easy sandwiches which look hard to do. Lucy Grover, Athalie Adams, Barbara Haskell and Marjorie Stone are to be on duty in the dining room.

Clothing—This subject is divided into three groups. Mrs. Dunn is to have an exhibit in her room of suits, coats, commencement dresses and light weight wool dresses which have been made by the High School Divisions A and B and the Senior Class. Lois Edwards, Ruth Keleher, Marion Stokes and Grace Raimey are on duty at this exhibit.

In Mrs. Clapp's room there will be an exhibit of pajamas, cotton sport dresses which have been made by the Freshmen and also an exhibit of summer silk dresses made by the Junior class. Muriel Craven, Ilene Briggs,

(Continued page 3, col. 1)

Better Homes Day

As we go to press the final touches are being put on the plans for Better Homes Day which will be held on June 14 here at the School. Every year Mrs. McIntire and her Advisory



Council plan this day for the women of Essex County.

The program will open at 10.30 in the morning with Mrs. Arthur Olson of Manchester, president of the council presiding. Mrs. Sue Stanton who is with the Bond Bread Co. is going to demonstrate the making of sandwiches.

Those who attend will spend the time from 12 to 1.30 enjoying the beauties of the campus at this time of year, and eating their basket lunches.

In the afternoon, Mrs. Harriet Haynes, Extension Management Specialist, of the Massachusetts State College, will speak and demonstrate "Household Cleaners".

Jack Despres and his dog "Gypsy" will demonstrate the work of the "Seeing Eye".

The closing feature will be a social hour and tea will be served with Miss Esther Belair of Lawrence assisting.

Girls from the Homemaking Department will serve tea and a group of them will care for the small children during the day so that the mothers may enjoy the programs.

DEATH

It is with regret that we report the passing of Emily Jordan Rogers of the class of 1928. She leaves her husband, Douglas Rogers of the class of 1926 and two children who reside in Byfield.

New County Club Camp

All friends of 4-H Club interests in Essex County are very much interested in the proposed new camp at Leslie's Grove, Georgetown, Massachusetts. A summer camp is to be

conducted at this grove in July of this year. County Club Agent Shute and his assistants, local leaders, and other interested friends are working very industriously to carry out all the details in order that the camp may be ready for use on time.

A short description of the property, reinforced by the cut on this page, is timely. The property consists of approximately 14 acres bordering on the Georgetown-Haverhill road on the west side and on Pen-

tucket Pond on the east side. It has a long frontage on the pond, with an admirable shallow sandy beach.

On the property there is a fine large headquarters building of approximately hall dimensions, with fireplace, kitchen, and additional rooms. beautiful level ball field and a tennis court area add to the facilities.

Perhaps the crowning glory of the place is the very beautiful heavy pine forest with trees ranging from ninety year old down to the smallest seedlings. There are many other trees and native shrubs on the grounds which will add to the educational value of the property.

A board of control is being set up which will have authority to receive contributions, donations, gifts, and otherwise conserve the interests of the camp. Everyone feels deeply indebted to Mrs. Leslie for making it possible to purchase this beautiful property on both reasonable terms and reasonable price.

FARM AND HOME WEEK

The annual Farm and Home Week will be held at the Massachusetts State College July 24 to 28. We have not received the program as yet only the date has come. We assure you that the program will be of as much interest and high quality as in years past.

Essex Farmer and Homemaker

HATHORNE, MASS.

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GIVE "OLD DOBBIN" A CHANCE

Why not give "Old Dobbin" a chance to prove his worth this summer? It will mean money in your pocket if you do give him an even break. Those hot sultry days which are just ahead need have no effect on your horses' labor output.

Overheating is unknown where horses are given plenty of water. Water them at least twice during the forenoon and do the same in the afternoon. In addition to water, perspiration contains much salt. See that extra salt is available during the hot months.

An ideal spot for a horse to spend his off duty hours is a pasture. There he may roll and stretch and rub to his heart's content. He will be a better horse for it and you will be spared considerable grooming time. He will nibble at green grass which will keep his digestive system in trim and at the same time cut your feed bill. Horses on grass perspire more freely than do those on dry feed but their ability to work will not be affected.

Offer your horse extra water and salt. Make him comfortable. He will repay you.

Richard Fitzpatrick

YOUR MONEY'S WORTH IN SOAP

There are many interesting legends concerning the origin of soap. According to one of these legends, the cleansing properties of soap were discovered by a group of Roman women, who were washing their clothes in a stream at the foot of Sappo Hill in Rome. At the top of the hill was a temple where offerings of fat were placed in the altar and burned in honor of the Roman Gods. The melting fat mingled with wood ashes formed a kind of soap which was dissolved by heavy rains and gave the water, which flowed down the hill, magical cleansing value. It is well known that soap making was understood by the Romans and equipment for soap making has been found in the ruins of old Roman cities.

In America, soap making was solely a home industry for several generations. The thrifty house wives made soap once or twice a year from fat and lye obtained by bleaching wood ashes. This soap was a very crude product compared with soaps available today.

In 1806 William Colgate started the first soap factory in America, and since that time soap making has become an important industry. Americans are the World's Champion users of soap, consuming about twenty-three and one half pounds per person last year.

Soaps can be divided into two main classes, soft or liquid soaps which are made from potash, and hard soaps made from lye. Hard soaps are of many types. Laundry soaps contain substances which give them additional cleansing and water softening properties. Borax, washing soda, sodium silicate and rosin are the most frequently added ingredients. Laundry soaps are harsh for laundering of delicate fabrics or for the skin.

Naptha is sometimes added to laundry soap. However authorities tell us that the naptha is present in such small quantities that it is of little value.

Floating soaps are made by beating air into the soap before it is allowed to harden. Floating soaps are considered to be more economical and convenient by many people.

Soaps are made transparent by the addition of alcohol. There is no evidence to show that a transparent soap has any special advantages.

Many people believe that Castile soap possesses special advantages as a toilet soap. Castile soaps were originally made from no fats except olive oil and were considered to be milder than soaps made from other fats. At the present time most of the Castile soaps contain large amounts of fat other than olive oil, and have no advantages over any other toilet soap.

Soap has mildly antiseptic properties but there is no advantage to be gained in buying medicated soaps.

(Continued on page 3, col. 1)

THE SCHOOL FARM IS AN OPPORTUNITY FOR ACQUIRING FARM SKILLS

The most important reason for having a farm in connection with a school, where Vocational Agriculture is taught, is the opportunity it gives the town boy with no farm experience to gain some skill in some farm operations. Obviously, with limited acreage of crops and the small number of animals, the 235 boys present last year could not become very skillful in any of the desired farm operations. The most that can be expected from these circumstances is a start in training the boy in a few skills.

In September, the new students are divided into groups, each with one or more instructors as supervisors, and harvest the fruit from several hundred fruit trees, cut corn from 5 acres and put it in a silo, and harvest vegetables as they are ready. During this period there is only a limited amount of inside class work.

With the beginning of regular classes on the first of October, the farm practice training is more limited by the increased importance of inside class work, the increased number of students and the limited amount of outside work. The new students have an opportunity, one-half day each week which affords an opportunity for some farm practice. Boys from these classes last year plowed 12 acres, hauled wood blown down by the hurricane, hauled out manure, groomed, harnessed and drove horses, cleaned and oiled harness, groomed and clipped cows, thoroughly cleaned, scrubbed with lye and hot water and whitewashed the piggery. Result: "This piggery does not smell like a piggery". Having a clean piggery made possible the success we had in raising large litters.

The older boys spend one week doing chores on that part of the school farm related to their major subject. A boy taking Dairy Farming spends one week feeding and milking cows and cleaning up. A boy taking Animal Husbandry spends one week in the horse barn or piggery doing chores. Obviously no boy can become skilled in this length of time. With a continual change of new and inexperienced milkers, the production of the practice cows drops. We cannot expect high production from practice cows. At the piggery the situation was different. With clean quarters, adequate supervision and instruction, young sows properly fed, Eugene Cobb, who was the boy on practice at the piggery, should have part of the credit for the raising of 124 pigs to weaning age from 13 sows.

With the close of the formal classroom work in April, the farm practice training changes once more. A few selected boys are employed to work on the school farm for a period of six months. These boys have a training practice period long enough to become fairly skillful before they

(Continued on page 3, col. 1)

PARENT'S DAY

(Continued from page 1, col. 1)

Barbara Weston and Elsa Ljunggren are to be on duty.

In Miss McDunkin's room will be found coats, print dresses, woolen dresses and commencement dresses which have been made by High School Division C.

Academic Subjects

Mrs. Roundy is to have a demonstration of making a bed properly, and on exhibit there is to be three trays on invalid diet, posters, display of physics notebooks and reports on Hygiene. Mary Burke, Mary Anderson, Lois Archaubault, Frances Calvert and Christine Brunn are to be on duty.

Miss Lovett will exhibit on the subject of Fabric study "Earliest Phases in Cotton Fabrics", its production and uses. Marjorie White, Ruth Chenery, Mary Johnson and Alice Cadoret are to be on duty here.

Miss Smith is to exhibit examples of Home Projects. This exhibit will be mainly clothing and note books.

Miss Harris will exhibit upon the subject of Home Decoration, color ensembles for various rooms which are arranged by students. Home Decoration notebooks will also be exhibited. Dress Appreciation notebooks made by the Junior Class will be on exhibit as will the Freshmen Posters and color notebooks. The girls assisting here will be Louise Leach, Edith Boissonneault, June Greenough and Muriel Evans.

Also in the same room Miss Schneider will exhibit bowls, pocketbooks and trinkets which have been made during the year.

In the Library, Miss Clarke, with the assistance of June Agersca, Eleanor Taylor, Mary Maklae and Reina Gumb, will exhibit new books recently purchased; notebooks on Housing by the High School Division A; Note writing notebooks by the Junior Class and from the Senior Class notebooks about Forms of business letters.

D. MacD.

YOUR MONEY'S WORTH IN SOAP

(Continued from page 2, col. 2)

Antiseptics added to soap are so diluted with water, and are in contact with the skin such a short time as to be practically valueless.

Imported soaps are expensive because of the high import duties. Since American soap manufacturers have developed the scientific aspects of soap making more completely than soap manufacturers of other nations, American soaps as a whole are more economical and more uniform in quality than imported soaps.

Constance Lovett

(Continued from page 2, col. 3)

are shifted to some other kind of work. Morning and evening they do the chores around the cow barn, horse barn and piggery and between times they do the necessary work connected with the growing of corn and hay crops.

George A. Cooley,

"FIBERGLAS" EXHIBIT AT
WORLD'S FAIR

Among the many interesting exhibits, which I saw at the World's Fair, was that of the Glass Industries. Entering the large rotunda, one sees, in miniature, historical glass exhibits dating as far back as 500 B. C.—a fascinating portrayal of glass-making up through the centuries.

The newest feature of the glass industry is displayed at the Fair. It is the making of glass fabric. Glass marbles, about one inch in diameter, are fed into a special type of furnace, which has about 100 tiny holes in the bottom of it. As the glass marbles melt, they ooze through these tiny holes and appear as exceedingly fine fibers. These fibers are led, as a converging strand, to a whirling drum, where they are wound onto a bobbin. I was told that from each marble, put into the furnace, 98 miles of fiber is produced. These fibers, although exceedingly fine have been drawn out into 5000 miles of continuous glass strand and wound without a break, so perfected is the manufacturing process.

The next step in process is the unreeeling from several bobbins, of any desired number of strands of the glass fiber, and twisting of these into thread. From here on the making of glass fabric proceeds, using these strands in loom or knitting machines just the same as any other thread.

I inquired about the dyeing of glass fabric, as I had never seen any, other than white. I was told that it could not be successfully dyed, as the finished fabrics will not absorb dye. The dye simply fills in the spaces between threads and washes out quite readily. If colored fabrics is desired the molten glass must be dyed. This as yet, is not entirely satisfactory with many colors. Scientists are working on this problem of color and will, in time, no doubt, find a solution, so that glass fabric will be made and used as commonly as our other fabrics.

I was interested in learning what practical use was being made of this glass material. Since glass is fire-proof, it lends itself to a number of very important uses, where there are fire hazards. It is made into awnings. If a match, carelessly thrown out of a window, lands on a fiberglass awning, it will burn itself out and leave a smudge on the awning. This smudge may be removed with hot soap suds. Fiberglass draperies are made, for use in hotels, to reduce danger from fire, caused by careless smokers or lighted candles. Venetian blinds so popular today, are made, using fiberglass tape. They have a decided advantage over blinds, made from other materials, as the fiberglass tape does not rot, or discolor in sunshine, or weather out. Shower-bath curtains, made of fiberglass, will not mildew, anymore than the panes in bath-room windows. Lampshades, made of fiberglass, will not scorch as

GARDEN CHAT

Asparagus yields have been lighter than usual even though the first cuttings were late, due to the backward spring. With lower returns, there might be a tendency to refrain from applying as heavy food applications as usual. The results of an asparagus bed depend pretty much on the way it is fed after the cutting season is over, therefore, do not neglect a good application of a 5-8-7 fertilizer at the rate of 1000 to 1200 lbs. per acre basis, or about 15 lbs. per 100 ft. of row. At this writing (June 9th) asparagus beetles are just showing up. A few stalks here and there throughout the bed can be allowed to grow and feather out, and the beetles will flock to these stalks. After making a clean cutting of all usable stalks, dust or spray these trap stalks with Arsenate of Lead.

Cabbage butterflies are flying about the cabbage patches. About the time the cabbage begin to head in, dust or spray the cabbage plants with rotonone. One or two applications of rotonone will keep the head remarkably free from worm damage.

Mexican bean beetles will be showing up for the first brood before many days. If you do a good job in controlling the first generation, the next brood will not be as large. Rotonone is the recommended control.

Flea beetle damage is appearing on tomato and potato foliage. Small black hopping insects may be seen when one passes between the rows of plants. Their damage is indicated by small holes through the leaves of the plant. For the next several weeks, spraying or dusting with Arsenate of Lead should be practiced.

Just recently in visiting a small patch of potatoes in the county, I found that the potatoes had been set in the row directly in contact with fertilizer. It should always be remembered that whenever fertilizer is placed in the row it should be well mixed with the soil before planting seed or plants, if not, as the rootlets grow, the fertilizer will burn the new growth and cause disaster.

Cucumber, squash, melon and pumpkin vines will need careful attention as the cucumber is busily at work feeding on the leaves. Rotonone should be dusted on the foliage and be replaced after each rain.

C. M. Stearns

silk or parchment ones often do. In the Hall of Medicine, at the Fair, one section is devoted to an X-Ray exhibit. Here the walls are draped with cream-white fiberglass material, which is expected to remain white during the entire season, using only soap-suds occasionally to cleanse it. The exhibitors hope, by this means to have the walls present an immaculate appearance at all times.

Isn't it wonderful to realize that "From the Sands of the Earth through the Sands of Time", man has evolved such marvelous junkins.

Bessie H. McDunkin



4 - H CLUB NOTES



JULY EIGHT IS THE DATE!

July 8 is the date for the opening of the Essex County 4-H Camp at Leslie's Grove, Georgetown. We will be limited to 50 campers a week. If you are a 4-H club member and wish to attend for one week or for the two weeks, get in touch immediately with your local leader or the County Club Agent Horace J. Shute, at Essex County Agricultural School, Haverthorne. All enrollments **MUST** be in by Saturday, July 1.

Enrollment cards are being sent to all club members. There will be a fee of one dollar for enrolling and the price for one week at camp will be \$7.00. A Doctor's Certificate will be required of all campers.

If any of you have any spare tents, single beds or cots or kitchen equipment you would be willing to loan us this year we would certainly appreciate your help.

IT'S THE LITTLE THINGS THAT COUNT

It's the Little Things That Sometimes Mean the Difference Between Success and Failure!

How well do you utilize your time on rainy days? Attention to harnesses, haying equipment, etc., on such days may mean the prevention of breaks before they occur.

What provision are you now making for adequate grazing in late July and August? Millet and Sudan Grass sown at the rate of 14 lbs. of each to the acre will provide good feed during this period, when the regular pastures are at their lowest production.

How often do you visit the pasture to look over those promising heifers? Weekly visits will keep you informed as to their growth and will enable you to remedy barbwire cuts, or other mechanical injuries, and ailments.

The hired man should be made to realize that the grain ration for horses should be considerably reduced on days when they are not working.

Many a cow has died as a result of lapping the paint from newly painted structures and discarded paint pails.

Remember that pullets double their size while on range; therefore, do not crowd the birds on range or in the shelters.

How much time are you spending with your laying stock? Remember that these are the birds which are bringing in the money now.

What information of a practical nature are you recording this year? Make sure you record such information so that you can refer to it conveniently and easily.

James F. Gallant

APPRECIATION TO LEADERS

Every year about this time 4-H Clubs hold local exhibits. It is a time when we see the year's accomplishments of the club people and they are awarded pins and certificates. Most of the attention is centered upon the club members.

But we must not forget the untiring efforts of the local leaders. The girls in one club in Danvers expressed their appreciation by presenting the leader with a gift and the following poem written by Phyllis Clark, one of the members.

We surely have enjoyed these five short years

While you've stood by us when we've had fears

Of having our dresses turn out in an unholy mess,

But you'd help us out and it would look like a dress.

There are very few words which we can say

That would express our tho'ts on this June day,

But we hope you'll stick with us one year again

Till we can get our national pin.

This was written by the club girl to thank her leader, and now,—I would like to express my appreciation to all the faithful leaders of Essex County who have helped me make this, my first year of club work a success.

Helen A. Walker,
Asst. Club Agent

STUDENTS EMPLOYED ON SCHOOL FARM

Twenty-one students are employed on the school farm and gardens for the summer season.

Fruit Nurseries: Robert Nichols, Lynn.

Poultry: Conrad Nollet, Andover, foreman; Alden Moreland, Middleton. Fruit: Emile St. Pierre, Lawrence; Henry Britton of Byfield.

Dairy: Charles Gibbs, Saugus; Horace Luscomb, Haverthorne; Earl Nicholson, Methuen; Eugene Cobb, Georgetown; George Pelletier, Lawrence.

Greenhouse: Robert Landry, Gloucester; Dorothy McGregor, Boxford; William Hanglin, Lynn; and Harold Jones of Danvers.

Vegetable Garden: Robert Gagnon, Lynn; Marvin Williams, Lynn; Harold McEwen, Peabody; William Mahoney, Salem; Francis Carey, Lawrence; Richard Powers, Haverhill.

Ornamental Gardens: George Banks, Saugus; John Wadsworth, Methuen; Roland LaRochelle, Lawrence.

4-H PICNIC

The biggest 4-H picnic ever held in Essex County will be held at Leslie's Grove, Georgetown, Saturday, July 1. This is the site of the Essex County 4-H Camp.

There will be baseball, volley ball, tennis, horseshoes, in fact competitive sports of all kinds.

Prof. Lawrence V. Loy, Recreational Specialist at Mass. State College will be present and have charge of the games.

There will be swimming and boating and a treasure hunt.

Come for all day, bring your mother and father, and all enjoy the day at our new camp site. Bring your lunch, tonic and ice cream will be on sale.

Be sure to see the Massachusetts State Champion Poultry Demonstration team. They will give the demonstration which won them the opportunity to represent the State at Cleveland.

This picnic is being held in place of our annual 4-H Field Day. We expect you all to come.

Horace J. Shute.

WINNERS AT STATE CONTEST

The annual Girls' Day was held here at Essex Aggie on Saturday, May 27 and the following Saturday the winners went to the State College in Amherst where they competed in the State contest.

Just the other day a report came from the State College as to the standing of the girls in the various contests. Those from Essex County were: Thelma Milnes, Groveland; Marjorie Crosby, Andover; Constance Kessar, Beverly; Barbara Scott and Pauline Cursie, Beverly; Audrey Boisvert, Beverly; Irene Gelin, Beverly and Pauline Pierce, Groveland.

CANNING

The canning season is upon us. Let's get clubs going and have enrollments in early!

We all know that pleasure and profit may be found in canning home grown products during the summer; pleasure from belonging to a 4-H club and working with others; pleasure from being able to can a good looking jar of products with your own hands; profit from canning the surplus vegetables and fruits for the family for winter use at small cost.

Many club members win cash prizes at local, state and national fairs. Others find an opportunity to sell the canned products.

"Let's get going Now!"

H. A. W.

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

JUNE, 1939

SPRING FLOWER SHOW

The Junior class in the Homemaking department have a short course in gardening the last part of the year. Their garden show is held in connection with Parents' Day. This year the Show will be held in the Floriculture rooms of the greenhouse. It will be open to the public on the afternoon and evening of Tuesday June 20 and from 10 to 3.30 on Wednesday, June 21.

Alice Cadoret of Methuen is general chairman and manager of the show. Eleanor Taylor of Methuen will be clerk. Those on the various committees are, Schedule and prizes: Marie Label, Peabody; Olive Judge, Lawrence.

Staking: Ruth Munroe, Lawrence; Edith Boissonneault, Middleton. Labelling: Louise Leach, Peabody.

Judging: June Agersea, Saugus. Publicity: Ruth Call, Danvers; Elsa Ljunggren, Saugus. Gardens: Cecile Cheney, Lynnfield. Collections: Eileen Murphy, Peabody. Demonstration: Barbara Weston, Methuen. House Plants: Muriel Spinney, Saugus. Plant Arrangements: Mary Johnson, Hamilton.

B. W.

FLAG DAY ASSEMBLY

The Flag Day assembly program was presented by members of the Freshman A group with Constance Conant of Salem as chairman. Flag Salute by the School
Poem—"A Toast to the Flag"

Edna Hughes
Prose Selection—"Betsy Ross and the Flag"
Frances Calvert
Song—"O Columbia Gem of the Ocean"

School
Prose Selection—"General Scott and the Stars and Stripes" Mona Devitt
Song—"The American Hymn" School
Prose Selection—"A Flag Incident"

Bertha Delduca
Poem—"To America" Judith Jameson
Closing Song—"The Star Spangled Banner"

B. F. R.

SUMMER PROJECTS

With the closing of the school year so near, summer projects once more come into view. Miss Smith the "Home Projects" teacher has placed many students in various summer jobs, and receives calls for more girls every day. In respect to the work done in school the students are fitted for various summer projects such as, cooks, waitresses, nursemaids and nannies in private homes and summer resorts.

H. McN.

ASSISTED ON BETTER HOMES DAY

As has been the custom in past years a group of girls from the Homemaking Department have assisted at the Better Homes Day Program.

Mothers have the privilege of coming to the meetings and bringing their children and having them cared for by a group of girls. Those who cared for the children this year were Barbara Bacheller, Lynn; Bertha Rossum, Beverly; Jean Knowles, Beverly; Nathalie Burnham, Essex; Barbara Roberts, Lawrence and Pauline Frost, Lawrence.

Those who assisted in serving refreshments were: Mary Anderson, Peabody; Lois Archambault, Methuen; Marie Jacques, Salem; Patricia Sheehy, Peabody; Mildred Burke, Methuen; Olive St. Pierre, Salem.

B. W.

OCCUPATIONAL THERAPY

On Thursday, June 1, the girls of the Homemaking Department were given an opportunity to hear a talk by Mrs. Russell Loesch, Director of Occupational Therapy at the Danvers State Hospital.

Occupational Therapy is a means of treating the ill through activity—physical, mental, or social. This type of work is very old, going back to the Egyptians, yet only for twenty years have there been training schools for this profession.

The treatment depends on each individual's need and is under the supervision of a doctor.

In order to be a success in this field a girl must have the right qualities, such as being plastic, adjustable under any condition, looking ahead, observing, analytical, possess a good disposition, willing to change, patient and imaginative.

Of the three years spent in training the first year is taken up mainly with classes. The second year, training consists of work either in children's, mental, general or tuberculosis hospitals or in prisons. The third year is advanced studies, except two days a week when the students work in settlement houses, missions, etc.

The training period is only two years if an applicant has had two years of further education after high school.

B. F. R.

COUNTY BOARD OF TRADE

The Essex County Board of Trade met at the school on Wednesday, June 7. Luncheon was served them by members of the senior class,

BEACH PARTY

On Monday, May 22, eight girls from High School C. Division stayed overnight at Seabrook at the cottage of Eleanor Buswell of Salisbury. The girls travelled to the beach when the classes finished Monday afternoon and came back to school Tuesday morning. In the evening they enjoyed a "weenie" roast and roller skating. Those present were: Helen Andrews, Essex; Gertrude LeBlanc, Peabody; Marjorie Comer, Salem; Hilda Brown, Peabody; Mabel Bartlett, Salisbury; Ruth Eustace, Ipswich; Eleanor Buswell, Salisbury, and Barbara Roberts of Lawrence.

B. R. R.

EDITORS MEETING

On Tuesday, May 23, the Student Editors in the Homemaking Department of the Essex Farmer and Homemaker, held their last meeting for the season, in Miss Torrey's office in the Agricultural Building. An interesting discussion was held and suggestions for next year's student contributions were given. A suggestion to have pins for the Editors was adopted and voted to be looked into.

Those who were present were: Helen McNeil, Salem; Barbara Weston, Methuen; Bertha Robblee, Salisbury; Dorothy MacDonough, Beverly; Barbara Roberts, Lawrence; Miss Clarke, faculty advisor and Miss Torrey.

B. R. R.

EGG CONTEST

The egg contributes largely to the supply of all the necessary vitamins except C. For this reason the State has sponsored an Egg Meal Menu contest. The main part of the menu will contain eggs which because of their valuable mineral salts and bulk should be encouraged more in the planning of our everyday meals. This contest is a challenge to women to show how appetizing and attractive a meal can be which features eggs. The contest being country-wide is open to all who wish to send in their menus. Prizes of five dollars each for five of the best menus will be awarded. With the aid of Mrs. Batman and the Junior Class our school will be well represented.

H. McN.

ENGAGEMENT ANNOUNCED

Mr. and Mrs. John Wills of Green Street, Ipswich recently announced the engagement of their daughter Ellen to Lionel Sheppard, Jr., Ellen who graduated last year from Essex Aggie is laboratory assistant in the Foods Department. No date has been set for the wedding.

F. F. A. ANNUAL REPORT

The Essex Chapter Future Farmers of America had for the year 1938-1939 a membership of 189. This is 87% of the membership of the school. There are four Bay State Farmers, sixty-eight County Farmers, and one hundred and seventeen Green Hands.

During the year the organization passed an estimated budget of \$8114.50 for receipts and \$7829.35 for expenses. This was done in view of last year's profit of \$213.88.

The Cooperative Buying and Selling Committee had a business of \$1976.40 in receipts and \$1875.45 in expenses, or a profit of \$100.95. For this year the committee planned a budget of \$150.00 for the purchase of vegetable seeds, \$15.00 for potatoes, \$15.00 for spray material, \$1800.00 for gasoline, \$8.00 for lime, and \$25. for fruit seedlings. These materials have been purchased and resold to members without profit.

The Sales Booth and Concessions Committee have a budget of \$1738.67 in receipts, \$1467.56 expenses, or a profit of \$271.11. However this committee reports on March 31 a profit of \$428.23.

The Roadside Stand Committee have a budget of \$1597.04 in receipts, \$1479.54 expenses, or a profit of \$117.50.

From a thrift standpoint, nine members of the organization joined the Credit Union of the School. It might be well to say that they are sixty two present and former students of the School who belong to this Union.

The Science Committee held its preliminary and main Science Exhibition in November 1938 with half of the students of the school exhibiting. There were about five hundred people from the outside who visited this show.

The Plays and Entertainment Committee besides putting on an excellent amateur and minstrel show and dance at Christmas, spent \$20.00 in repairing the drums of the school orchestra.

Judging and Demonstration Committee reports that the Essex County Agricultural School's F. F. A. judging teams won:

- A first place at the Boston Poultry Show, judging.
- A first place in Plant judging at Topsfield Fair.
- A first place in Plant judging at Mass. State College, Oct. 1938.
- A first place in Milk judging at Mass. State College, Oct. 1938.
- A second place in Fruit judging at Topsfield Fair.
- A second place in Fruit judging at Mass. State College, Oct. 1938.
- A second place in Vegetable judging at Topsfield Fair.
- A fifth place in Livestock judging at Topsfield Fair.
- An eighth place in Poultry judging at Mass. State College, Mar. 1939.

PROJECT REPORTS

Monday I helped to lay 350 sq. ft. of sod in Winchester. Tuesday and Wednesday I worked in the Rose department filling orders. The rest of the week I was on landscape work. On Friday I helped to set one Norway maple and two Lombardi poplars in Woburn. From there I went to Belmont and made a small planting after which I went to two places in Brookline. In spading up a lawn in Brookline, I found two coins. One was a U. S. coin dated 1862 and the other was a 5 centimes French piece dated 1923. Just how they came there I don't know and probably never will.

R. Goodale '39

The usual round of chores has been followed in the cow barn this week. The cows are milked before breakfast and then they are groomed and turned out to pasture. At one o'clock the test cows are fed and milked. At about 3.30 the cows not on test are driven into the barn to be fed and milked. At 8.30 p. m. the cows on test are again fed and milked. During the week I have cleaned up all the equipment used in making butter and also the milking utensils.

Ernest Campbell, 39

This week I have been working outside more than in the dairy. Our month old chicks are growing rapidly. We moved about 400 from the brooder house at Stuart's to the brooder house below our barn. The chicks can eat grain almost as fast as we can fill the hoppers. Cal and I took a hand plow and a scoop and levelled off in front of Stuart's barn. I drove the horses and Cal handled the plow and scoop. Mr. D. and I fixed a two row corn planter and Cal planted about three acres of corn. We also made a brush harrow out of five birch trees and an eight inch log.

David Irons '40

A ninth place in Poultry judging at Mass. State College, Oct. 1938.

A twelfth place in Livestock judging at Mass. State College, Oct. 1938.

The Floriculture Club held three shows during the year: Spring, Fall and Christmas Decorations Shows. These were well planned and handled.

It should be noted that this chapter holds membership in the Eastern States Farmers Exchange, the Essex Cooperative Farming Association, and the Essex Agricultural Credit Union.

The Chapter is entering the National F. F. A. Chapter Contest for the year 1938-1939.

Ernest Thayer, a member, was given the degree of American Farmer at the National Convention of the Future Farmers of America in 1938. He was the first one from Massachusetts to receive this degree.

Roger Coleman, Sec.
John Balzarini, Pres.

SCIENCE TOUR

The annual Science Tour will be held in July as usual. The exact date has not been set at this writing. Notice of the date and places planned to visit this year will be sent to all students in time, so that they may make plans to attend.

LETTER AWARDS

The list has recently been posted of those who will receive their old English "E" for extra curricula high standing. It is always a pleasure to print this list as it means that those students listed have had a high scholastic standing before they are permitted to participate in outside activities. The list follows:

*Nicholas DiLisio, Swampscott; Peer P. Johnson Jr., Beverly; *Conrad Nollet, Andover; James Nealey, Andover; *John Balzarini, Rockport; Roger Coleman, Beverly; *Abert Giles, Danvers; Albert Greenaway, Marblehead; Newton Henriksson, Lawrence; Edward Mitchell, Frank O'Connor, Lynn; *Robert Spencer, Danvers; **Russell Weinhold, Methuen; *Robert Chabot, Haverhill; Donald Heron, David Irons, Salem; *Robert McAfee, Salem; Martin Seidman, Methuen; Parker Gifford, Middleton; Robert Landry, Gloucester; Dorothy Ann MacGregor, Boxford; George Solomon, Lawrence and *William French of Lynn.

* A star is awarded to those who have previously earned a letter.

** A second star is awarded to those who have previously been awarded a letter and one star.

MEMORIAL DAY PROGRAM

Exercises commemorating Memorial Day were held in the Homemaking Building, Monday, May 29. The program was arranged and presented by the girls who have charge of the library. Eleanor Taylor directed the assembly in which these exercises were held. The program follows:

"Prayer During Battle", Hagedorn read by Eleanor Taylor.
Song, "God of Our Fathers", School
"Music in Camp", John R. Thompson read by Reina Gumb.
Song, "Tenting Tonight", School.
"The Cavalry Charge", Benjamin F. Taylor, read by Mary Maklae.
"Heroes", read by June Agersea.
Song, "My Old Kentucky Home", School.

B. F. R.

ALUMNI MEMBERSHIP CAMPAIGN

The membership committee of the Alumni association has been conducting a campaign for more members in the association. It is surprising how many former graduates of the school have incorrect addresses in the school files.

Won't you send your correct address to Horace J. Shute, the Alumni Secretary? If you know of the whereabouts of any of your class mates send us a note and don't forget to give us your up-to-date address.

ESSEX FARMER AND HOME MAKER

VOL. 21

HATHORNE, MASS., JULY, 1939

NO. 7

Cleveland Here We Come

Essex County and especially Essex Aggie will have a goodly number in Cleveland in August at the World's Poultry Congress.

Mr. Metcalf is taking a large number of his "White Americans", the new utility breed that he has created.

Mr. Miltimore and Mr. Bennett of the Poultry Department here at the School are going and they report that three of the graduates who are in poultry business and C. Nelson Hardy of Essex and Mr. Hall of Andover are also planning to go.

Horace J. Shute will accompany the two Essex County boys, who comprise the Massachusetts 4-H Champion Poultry team.

To these boys and Mr. Metcalf we wish success, we realize the competition they will meet with poultry from all over the world.

SCIENCE TOUR

The annual Science Tour is planned for Thursday, July 13 when the boys will meet at Essex Aggie in the morning and go to Boston. There will be a visit to the New England Dressed Poultry Co., in Woburn and to the Wirthmore Mill and Feed Laboratory. Those interested in Horticulture will visit the Hews Pottery in Cambridge.

In the afternoon the group will divide those interested in going swimming will enjoy that sport while the others will attend the baseball game between the Bees and the St. Louis Cardinals.

ECHO CLUB ELECTION

The annual meeting of the Echo Club was held on June 15, Elsa Ljunggren, secretary and Edith Sharp, treasurer gave their annual reports. The following committee chairmen also reported, Janice Brown, athletic; Lucy Grover, program; Dorothy MacDonough, membership.

It was voted to give a contribution of five dollars to the Essex County Health Camp and five dollars to the North Shore Babies hospital. It was also voted to give ten dollars toward the purchase of the new 4-H camp site.

The following officers were elected for the coming year: Eleanor Taylor, Methuen, President; Frances Calvert, Lawrence, Vice President; Phyllis Cook, Beverly, Secretary; June Agersea, Saugus, Treasurer.

E. T.

These Consumers

Today one frequently hears such phrases as "Education of the Consumer", "Consumer's Guide", "Hints for the Consumer" or "Consumer Buying". What is a consumer and who is he? Why is every producing agent so willing to aid the consumer and most anxious to cater to his desires?

Consumers form no particular class of people. They comprise every man and woman who has a dollar to spend or goods with which to barter. Even little Mary Jane who spends a nickel for candy at the corner store becomes a consumer. Herein lies the secret of the consumer's power, the reason why he is supreme, for he has the ability to grant a verdict of "live" or "die" to every producing agency. He purchases the goods or brands that he likes and he patronizes the store of his choice. Thus indirectly he controls the forms of advertising and the forms of distribution.

On the other hand, business is not on one side of the fence and all the consumers lined up on the other, for virtually every consumer belongs either to the labor or capital class, or perhaps to both. Therefore each consumer should realize, and most probably does, that his business or his job depends on the patronage of the consumer. How, then, are consumers different? Consumers vary in two respects, the amount of money they have to spend and the intelligence with which they make their purchases. This makes consumer-buying a personal problem wherein the best methods of buying should be made possible. Included here should be a better knowledge of the buying and selling processes in the retail market and how to get the greatest value for a given amount of money.

Since it is impossible for the average person to possess detailed information about all articles of purchase, several recent publications will give valuable help. "When You Buy" by Trilling, Eberhart, Nichols; "Consumer Goods" by Reich and Siegler; "Textile Problems for the Consumer" by Carver, Woolman, McGowan. "The Shopping Book" by Baldwin; "The Shopping Guide" by Weiss and Mermey.

Because the government of the United States does not dictate what goods shall be produced or what companies may operate in this country, the consumer can assert his power and business will progress. Therefore, the consumer reigns for it is up to business to please him. May the consumer

(Continued page 4, col. 2)

Poison Ivy Eradication

The Poison Ivy plants are difficult to destroy, and in undertaking their eradication it should be borne in mind that the tops arise from creeping underground stems which spread in all directions a few inches below the soil surface, and from these stems, new branches or shoots arise at frequent intervals.

Of the various weed-killing chemicals that may be used for killing poison ivy, common salt and oils are easily obtained and fairly effective. If all the leaves can be reached by the solution, one of the most useful methods of killing the leaves and fine stems of poison ivy is to spray them with saturated salt solution. The advantage of this method is that contact with the plant can be avoided. The spray solution is prepared by adding about three pounds of common salt to a gallon of slightly soapy water. The spray should be applied as a fine driving mist, using an air-pressure sprayer. Small, inexpensive hand sprayers suitable for this work are on the market.

The first spraying is most effective if done not later than the end of June. As one spraying will not kill the main stems and roots, the plants should be sprayed again as soon as the new leaves are about full grown. Sometimes three or more sprayings are required. If the spray is applied at frequent intervals the poison ivy will gradually disappear, since underground stems are dependent upon leaves for food and will die without them.

Weed-killing chemicals that will kill poison ivy plants may be expected to injure or kill other plants also, if applied to them in sufficient quantity. Therefore in applying salt solution to poison ivy growing near valuable trees or shrubs, the safest plan is to apply only enough of the spray to wet the foliage of the poison ivy. If the soil is drenched with salt solution injury to the soil, grass, and shallow roots of valuable plants may be expected. On the other hand, if poison ivy vines are found on fence posts far removed from valuable trees or shrubs, where damage to the soil around the bases of the posts is unimportant, the vines may be killed by cutting them below the surface of the ground and saturating the soil around the cut bases of the plants with brine. The treatment should be repeated if necessary.

Crank-case oil, thinned with kero-

(Continued page 2, col. 1)

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JUNIOR AFTERNOON TEA

The Junior Class of the Homemaking Department prepared and served afternoon tea to their guests who were members of the faculty.

At this tea the class used the silver service tea set which was purchased this year with the aid of the Class of 1939 and the tips the girls have received during the year. It is to be used at all teas and various other affairs. The faculty and students hope soon to add to this service.

D. MacD.

(Continued from page 1, col. 3)

sene until it sprays easily and applied like the salt solution is also effective in killing poison ivy and perhaps even more effective than salt for late-season defoliation. Oils should not be used where they are likely to come in contact with the bark of valuable trees.

If willing workmen can be obtained and if the expense is justified, the most satisfactory and effective way to destroy small isolated clumps of poison ivy plants is to pull or grub them out, provision being made to go over the ground again at intervals of a few weeks until no more sprouts appear from root fragments.

James F. Gallant

PARENT'S DAY IN RETROSPECT

Parent's Day this year was again an ideal day. The morning program was held at Bauer Field and to the surprise of everyone it was the coolest place on the campus. Many of the parents, friends, students and faculty stayed down there and enjoyed their basket lunches.

The exhibits in the Homemaking building brought many favorable comments from people. The demonstration of making sandwiches, proved most popular at one time they were three deep all around the table where Jean Knowles and Katherine Foster were working.

Gloria's Gown Shoppe was the clever skit which was given in the afternoon. This was really the annual Fashion Show. Mrs. Dunn and Mrs. Clapp of the Clothing Department decided that if put on in the form of a skit it might not be as prosaic as an ordinary style show.

We feel sure that the audience as well as the girls enjoyed it. All enjoyed Dorothy Livingston playing her saxophone accompanied at the piano by Agnes Otto.

Everyone enjoyed and benefited by the talk which Miss Anna A. Kloss, Supervisor of Household Arts Education in the Vocational Division of the state Department of Education gave. Miss Kloss took for her subject "Looking Ahead". Besides giving the girls who are going out to positions some good advice she also told some interesting stories of people who are "looking ahead".

Tea was served in the dining room and many of the parents then had a chance to talk with members of the faculty.

JUNE GARDEN SHOW

The June Garden Show was held on June 20 and 21 in connection with the annual Parents' Day. Mrs. Charles H. Haddrell of Marblehead, Mrs. E. S. Gustafson of Saugus and Elmer Young of Methuen, a former student at Essex Aggie and now Superintendent of Parks in Methuen were the judges.

As usual they had a hard time deciding to whom the prizes should go as all the exhibits were well done.

Ruth Call of Danvers was awarded a lovely pottery dish garden, for the most out-standing exhibit in the entire garden show. Her exhibit was a terrarium depicting "The Lost River".

The other girls who received prizes of ribbons for their work were: June Agersea, Mary Maklae, Marilyn Peabody, Louise Leach, Marjorie White, Olive Judge, Ruth Munroe, Alice Cadoret, Eleanor Taylor, Barbara Weston, Edith Boissoneault, Mary Johnson, Eileen Murphy, Elsa Ljunggren, Muriel Spinney.

Alice Cadoret was Show Manager and General Chairman, while Eleanor Taylor was clerk.

SUMMER PROJECTS

The girls in the Homemaking Department of the School have their summer projects the same as the boys in the Agricultural Department are required to have summer projects.

The girls are having a busy time of it this summer. The freshmen with few exceptions are carrying on in their own homes the summer projects which they had planned before the close of school.

Out of a total of nineteen Juniors, ten are working on related employed projects, the remainder are at home. One is at Falmouth, one is assistant to the cook at a camp, four are household assistants, three are waitresses, one is working in a library. These are all for the summer months only.

Many of our Seniors and High School girls are placed in permanent positions, and several have summer positions.

As to the location of the girls on the employed projects, two are in Methuen, two on Cape Cod, four in Lynnfield, two in Beverly, one in Newbury, one in Essex, one in Rowley, three in Salem, two in Danvers, one in Georgetown, one in Newburyport, one in Boston, one in Nahant, one in Raymond, N. H., two in Bristol, N. H., one at Gilmanton Iron Works, N. H., one in Laconia, N. H., and one in Livermore, N. H.

All of the projects are related to the school work which the girls have studied during the formal school year. They will be visited from time to time for a checkup. If at any time difficulties arise they feel free to call on the home project supervisor to straighten out matters.

In the fall all the pupils write a report of their summer's work and send it in to school where it is judged for prizes. In each class there are ribbons and all the reports are eligible for a cash prize. For this three judges are chosen from women within the county but out side of the teaching staff.

A. S. J.

ATHLETIC AWARDS

After the morning program at Bauer Field on Parents' Day Athletic awards were given to the following girls by Mrs. Beatrice Couhig, the coach.

This is the first year that awards have been given to the girls for points made in Gym work. The Seniors were eligible for first class awards and the Juniors for first and second class awards.

Those receiving first class awards were: Helen Andrews, Essex; Eleanor Buswell, Salisbury; Ruth Cheney, Peabody; Seniors: Grace Raimy, Methuen; Olive St. Pierre, Salem; Juniors: Olive Judge, Lawrence and Catherine Hitchcock of Danvers.

Second class awards went to Claire Burgess, Methuen; Irene Briggs, Beverly; Bertha Deluca, Methuen and Frances Calvert, Lawrence.

FLOWER SHOWS

Of the holding of flower shows there is no end. As surely as the summer season rolls around, the spirit of showmanship swells anew in each flower grower's heart. All gardeners enjoy showing their gardens to visitors; many hail an opportunity to exhibit their products at local flower shows and fairs; and not a few enter their choicest blooms in the County Fair and the New England shows held at Boston.

Most garden clubs in Essex County hold one or two flower shows a year, with entries more or less restricted to their own members. Besides their regularly scheduled shows these clubs follow an enjoyable and profitable custom of bringing arrangements and specimen flowers and plants to their monthly meetings where artistry and quality are suitably recognized and improvement encouraged. Granges conduct fairs, and a few make displays of garden and farm products a part of the fair. The Boxford Oratorio Society sponsors an annual flower show of merit in June, and the Essex County Agricultural Society, "Tops 'em all", with its show in September.

What we have done is to glorify the big flower show and neglect the small one. We have far too few neighborhood contests and far too few community fairs. The novice at gardening has just as big a desire to match his prowess with someone his "size" as the professional plantsman has, and he would welcome the chance.

Once upon a time a certain Grange, concerned with doing a service to its community, organized a better gardens movement and appointed a committee of 30 to carry out its commission. This Home Garden Committee was sub-divided into small working groups and each assigned a well-defined task. The general chairman saw to it that no sub-committee lagged in its duties, and required that they report back to the full committee at appropriate intervals.

The better gardens movement embraced all the people (6,500), including school children. Exhibits flooded the September fair, held in the largest hall in town. They came alike from tenement, house, cottage and farm, and from the wealthiest homes. Products of the needle and the cook stove were brought to the exhibition. Cash prizes to the children, ribbons to the adults, seemed to satisfy. Prizes also were offered for improvements of home grounds. And, unique perhaps in the annals of "village improvement movements" were the small shows staged in store windows during the summer when certain garden products were in their prime. There was a Sweet Pea show in a drug store window, and a Rose show in a dry goods window in June. Then followed a July exhibit of garden vegetables and flowers, and an August exhibit of fruits, flowers and

MORE HONORS TO MORELAND

Wallace Moreland '21 continues to gain publicity. In reading "The Hook Up", which is published by the Radio Service of the Office of Information, United States Department of Agriculture, we find an article headed "New Jersey Enters Facsimile".

We quote, "While television has been the topic of conversation for several years, facsimile, with only a limited amount of publicity has come into being and is already in operation. Several radio stations are transmitting new material over their frequencies at night, after the regular broadcast period was over. Most receivers, until recently, have been in the hands of those closely associated with the radio stations, but one manufacturer recently announced a line of facsimile receiver to be in service as low as \$79.50. Over 1000 sets are reported to be in service in the New York area.

New Jersey appears to be the first station whose extension service has broken into the field of facsimile. WOR, Newark, is one of several radio stations transmitting "newspapers" by radio facsimile. Wallace Moreland, New Jersey's radio ambassador plenipotentiary, recently borrowed a facsimile receiver, took it home, and sat up until 3.30 in the morning watching the receiver reproduce a small-size morning newspaper. The reason for Wally's intense interest on this particular morning was that the "newspaper" included a story and pictures that Wally had provided, believed to be the first extension service story and the first gardening story ever to go into homes in the United States by wireless. The story dealt with a soil-less window box developed by a Rutgers University scientist.

Moreland reports that WOR has asked the New Jersey extension staff to provide other gardening material, to constitute the first facsimile course for amateur gardeners."

We of Essex Aggie also congratulate Wallace Moreland on his success and are proud he is a member of our Alumni, many others of our Alumni are making names for themselves and Agriculture.

vegetables with explanatory cards telling prospective exhibitors at the big September Exhibition how to select, prepare and stage their exhibits. At all the window contests awards in the form of blue, red, and yellow seals were affixed to winning exhibits, and much publicity for the whole undertaking was provided.

Whatever was accomplished in that community can be brought about in any community where a leader will step forward and shout "Let's Go!"

H. Linwood White,

Instructor in Floriculture

GARDEN CHAT

Vegetation has never looked better than it has at this writing, July 1st. Crops have grown well even though a late start and have not been troubled by insects any more than normally. Potatoes have been quite free from beetles and if conditions continue as they seem to be now, a good crop of early potatoes should be forthcoming. While we are speaking of potatoes, one should remember that all cultivating and weed pulling should stop after the blooming period as potatoes are making their growth and if the roots are disturbed the yields will be reduced.

Blight is one of the most prevalent diseases to be encountered now. Don't wait until you see its presence but dust or spray so as to eliminate its spread as much as possible. Bordeaux mixture is the recommended control for blight and should be present on the foliage or plants to get the maximum control when rains come on such crops as potatoes, tomatoes, celery, etc.

The real test of a good back yard garden comes the next few months. Weeds should be kept out of the crops if you are desirous of your vegetables receiving all the food possible. They rob much food and water from your crops and thereby lower your yields and quality of vegetables. One cannot sit back on these hot days and expect that nature will produce big crops and returns for you. Weeds rob much food from the soil just as rats and other rodents feed on many millions of dollars worth of grain from the poultryman and dairymen.

Don't throw these weeds, etc., into the dump; pile them up with your beet tops, lettuce leaves, etc., in a corner of your backyard and scatter some lime over the pile every once in a while. This will help to rot the organic matter and if turned over once or twice during the winter months will make good material for your lawn or to broadcast over your garden plot another season.

Tomato growers should keep the suckers removed continually if they are trellised. Apply dust to the plants when the head first starts to form. If you haven't already top-dressed your asparagus bed since you stopped cutting, get your fertilizer right on between the rows and cultivate it in. Remember that the way you feed the plants this year determines the results you receive from the roots next year.

C. M. Stearns

In buying sheets, the Massachusetts State College department of home economics recommends striking a medium weight. Very light weight sheets are uncomfortable to sleep and wrinkle easily. Heavy sheets, on the other hand, are hard to handle, and are difficult to launder at home.

EXCERPTS FROM STUDENTS' REPORTS

This week I have been cultivating in my garden to keep down the witch grass. Mr. Metcalf thinks that I have done a good job so far. My beans are beginning to find the poles at last. I set 300 tomato plants this week. Next week I expect to cut hay for Mr. Flint

R. Peaslee '43

This week I trained tomatoes; it was very interesting. I am still battling the witch grass and ragweed. One day this week I observed two important vegetable pests; European Corn Borer and the Mexican Bean Beetle. I am dusting with Rotenone to control these pests.

R. Jenkins '43

On the K— farm I had my first taste of haying. I mowed about half an acre and later tedded it to hasten drying. Later in the afternoon we stored two small loads in an open shed. The next day we put another dry load into the barn. In between times I picked strawberries and the shortage was wonderful. Mr. Eastwood told me what to feed the goat and it is coming along fine.

R. Bradbrook '43

I am planting corn in every corner of my garden to be able to have plenty of feed for my cows in the fall. I have totaled my hay crops and find that I haven't enough hay to last through the winter.

I cultivated and weeded about every crop in my garden this week. The onions had the most weeds but after a hard strain of weeding they look more promising. During the last of the week I hired a mowing machine and horse and had one of my hay fields cut.

G. Solomon '43

STAFF NOTES

With vacation time, many of our faculty are travelling this summer. Miss Ruth Emerson is on a trip to Alaska, Miss Bessie McJunkin plans to spend time in New Brunswick.

Miss Louise Bates, a former apprentice teacher and now a member of the faculty at the Beverly High School and Miss Anna Smith of our staff have returned from New York where they enjoyed the World's Fair.

Miss Ethel Moore, Mrs. Abbie Clapp have also been to the Fair and others are planning to go before September.

Mr. Gifford spent a weekend at the Fair with friends from New Hampshire.

We are happy to report that County Agent Francis C. Smith who has been quite ill is able to be out although not back to the office yet.

Mrs. Mary McIntire, Home Demonstration Agent is among those of the staff who are taking courses at Fitchburg Summer School this summer.

CAMP LESLIE

As we go to print Camp Leslie is about to open and Miss Walker, who has had charge of the registrations reports that far more girls are enrolled for the two weeks than boys.

The Camp Personnel will be Camp Director, Horace J. Shute; Assistant Camp Director, Helen A. Walker; Camp Mother, Mrs. Leon Jordan; there will be a registered nurse on the grounds and a doctor on call.

The Counsellors will be Frances Hartman, metal craft; Eleanor Reed, metal craft; Pauline Pierce, leathercraft; Mrs. Viola Shute, papercraft; Mrs. G. Richard Abbott, crocheting; Paul Boisvert, campcraft; James Gallant, nature; Richard Fitzpatrick, swimming instructor; Robert Crosby, nature; Warren Page, music.

James Gallant and Richard Fitzpatrick are instructors at Essex Aggie.

CAMP GILBERT

Seven young people from the County will attend Camp Gilbert, the State 4-H Camp at Amherst, from July 14 to 21. Miss Madeleine R. Torrey of Essex Aggie staff will accompany the group as Miss Walker will be at Camp Leslie. Those going are Rose Biondini, Ruth Boisvert, Ruth Trumbull from Beverly; Doris Albrecht, North Andover; Marjorie Crosby, Andover; William Goss, Lynn and George Hoffman of Saugus.

Dorothy MacDonough of Beverly and Alton Page of Saugus were the delegates from Essex County to the Music Camp, July 7 to 14.

F. F. A. PROJECT TOUR

The Essex Chapter F. F. A. plans to conduct its annual project tour in August, visiting projects in the northeastern section of the county. An all day trip is planned, leaving the school at 9 A. M. This mid-summer outing is part of the program of the Vocational Improvement Committee of which William Senior of Byfield is chairman. Advance notice will be sent to all Chapter members.

(Continued from page 1, col. 1)

require the best goods that can be produced, that may be advertised with honest facts and that he get a dollar's value for every dollar spent.

Verna L. Clarke,
Division Head, Academic Dept.

Willis Estes a former employee at the School was a recent visitor. He is spending a six weeks' vacation with relatives in Middleton. He is employed by the Standard Oil Co. in Venezuela.

Martha Mahoney a former member of the office staff was home for over Memorial day and called at the office. She is now employed in the Veterans Bureau in Washington, D. C.

SENIOR FORMAL DINNER

The annual Senior Formal Dinner was held at the Homemaking Building under the supervision of Miss Ruth Emerson. The guests were Mr. and Mrs. Couhig, Mr. and Mrs. Partridge and Miss Moore. The host was Mary Anderson, the hostess, Ada Marsland, and Athalie Adams was seated at the table as a member of the family. Patricia Sheehy and Edith Sharp were the waitresses, Marie Jacques, Mildred Burke and Olive St. Pierre the cooks.

The menu was:

Pineapple and Cranberry Cocktail
Hors D'oeuvres, Beef Bouillon
Lemon Ice
Chicken a la Maryland
Potato Rosettes
Birdseye Peas, Broiled Tomatoes
Cranberry Sauce Finger Rolls
Avocado and Orange Salad
French Dressing
Cheese Straws
Vanilla Ice Cream Strawberries
Assorted Tea Cakes
Demi Tasse

The purpose of this formal dinner was to learn how to prepare and serve a formal meal.

D. MacD.

MARRIAGES

We have gleaned the following list of marriages from the recent alumni questionnaires. Some of them may have been listed in previous issues of this paper, just in case they have not we print them now.

Nelda Bourdelais '33 and Albert Daggart '33 were married July 2, 1937 and reside at 102 Farnham St., Lawrence.

Eileen Finch '33 is now Mrs. John Gendron and they have just announced the birth of a son Michael Wallace, born June 1. They live at 18 Waldron Court, Marblehead.

Gertrude Stone '25 was married several years ago, and has a three year old daughter Anne Benner Pierce. Gertrude may be addressed Mrs. Raymond Benner Pierce at 131 Park Drive, Boston.

Muriel Hoelzel '35 is now Mrs. Nathan A. Hayward, Jr., 1307 South Street, Charles River, Mass. She has a son William.

Betty Cole '35 has been married about three years to Belmont Perkins and they reside in West Boxford.

Dorothy Lewis '34 is now Mrs. Arthur Peatman '33. Arthur is in charge of sales at Sunnyside Farm, Lowell Street, Andover and they live on River Street, Ballardvale.

Virginia Kelliher '34 and Robert Birkemose of Beverly were married June 10, at St. Mary's church with a large reception at the United Shoe Club house.

They will reside at 8 Bosworth Street, Beverly. Virginia is a graduate of the Beverly Hospital, and has been employed there since she graduated.

ESSEX FARMER AND HOME MAKER

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NO. 8

Cleveland Trip Report

Two demonstration teams and a judging team represented Massachusetts at the World's Poultry Congress in the 4-H department.

For the first time in the history of the World's Poultry Congress Youth was asked to participate. Among the many organizations represented were 4-H Club boys and girls, both white and negro, F. F. A. boys, Boys and Girls Clubs from Canada, Boy Scouts and New Farmers of America. A total of over 1800 delegates in the Youth division.

The Massachusetts delegation consisted of Jean Krosky and Marjorie Goodbind of West Springfield, the State demonstration team, on the Consumption of Poultry. Their topic was "Serve Eggs".

William Townsend, Westfield, Ferdinand Allison, Pittsfield and Floyd Davis of Worcester composed the judging team, Alton Page and Robert Mitchell of Essex County composed the demonstration team for the production contest. Much has already been written in this magazine concerning their demonstration. It was the only breeding demonstration put on in the entire contest.

Both Massachusetts Demonstration teams received Excellent and the judging team received Good for their rating. This was considered a fine showing for Massachusetts in such a large field of competition. Both teams were complimented highly by the spectators and the consumption team was invited to demonstrate before the adult meeting in the main auditorium.

All delegates were thrilled with the exhibits, the fine programs and the splendid reception tendered them.

Their trip home consisted of historic points of interest and scenic beauty and a stop at Niagara Falls and Howe Caverns.

H. J. S.

AMERICAN FARMER DEGREE

The name of Gilbert Freeman, of Beverly and Essex Chapter '38, will be submitted to the National organization of Future Farmers of America as the candidate from Massachusetts, for the honor of American Farmer. While at school Freeman was very active in Chapter activities and held the office of local and state secretary. The first and only Massachusetts American Farmer is Ernest Thayer of Danvers Street, Wenham, who received this honor last year.

Exhibiting Flowers

People grow flowers for several reasons, but chiefly to beautify their grounds and homes. Some people spend their summers trying to bring to an advanced state of perfection on a certain date high-bred Gladiolus, Dahlias, Zinnias, Marigolds and the like. Such gardeners not only derive the ordinary enjoyment that comes from producing a thing of beauty, but they experience a deep satisfaction in having striven that Nature might bring forth a more perfect product. It is they who labor on flower show committees in order that their flowers and those of other superior gardeners may be enjoyed by all flower lovers who will come to the exhibition.

To have grown fine flowers is one thing; to cut, select, convey, and stage show specimens is quite another. Backyard gardeners frequently win, over commercial growers on the basis of selection and staging alone.

Always cut flowers from one to three days ahead of the Show. Cut flowers in the cool of the morning from plants that have been getting enough water all along. Cut slantwise with a sharp knife. Plunge in cool water, in a cool place. Cut more flowers than you will exhibit, even twice as many. Convey them in deep vases if possible to the show place. When this is impracticable lay blooms in single layers in shallow boxes with soft water-resistant tissue between the blooms. Avoid piling blooms on top of one another. In hot weather, line box with newspapers. Sprinkle foliage lightly. Cover flowers thinly with paper. These directions are for local shows, where the blooms need not be out of water for long. To bunch flowers in the hand, wrap in paper, and toss onto the car seat account frequently for judges tossing them out of competition. Bruised and wilted, specimens make us sad.

Once at the exhibition, the committee will have provided a work-table on which we may arrange our exhibits. All flower stalks, whether arranged artistically or staged for awards of cultural merit, must be supported. Mechanical flower holders (including glass blocks rarely) are necessary in low containers. Twigs of spruce, hemlock, juniper or other resinous plants are excellent in vases. They are clipped short and sheared over the top so they will not show above the container. Only enough filler to hold the blooms in place is used, for it displaces water. Put some water in vase before arranging, fill to rim afterwards. Having brought extra blooms we are able

(Continued page 3, col. 2)

Topsfield Fair Exhibit

Every year some department of the School has charge of the Essex County Agricultural School's exhibit at Topsfield Fair. This year it falls to the lot of the Homemaking Department. Their exhibit was nearly completed before the department closed for the summer vacation as the Fair opens at the same time school opens. That is the returning students come for their first day on Wednesday, September 6 and the Fair opens that day.

There will be two students and a teacher on duty at the exhibit throughout each day to explain the exhibits and answer questions.

As usual the exhibit will be in the Grange Hall and the cottage used by the Homemaking Department once before has been remodeled and will be used this year. Here one may see exhibits of the work completed this past year in school. Many note books will be displayed showing the work in Home Hygiene and Child Care, Home Projects, Consumer Information, Family Relation. Posters showing the work in Nutrition, Foods. There will be an exhibit of the Academic work done by the students in English, Citizenship, Economics and History.

Of interest to everyone will be the exhibit of clothing made by the various classes and an exhibit of Fancy Sandwiches. Many other phases of the training a girl receives at Essex Aggie will be brought out. The garden at the front of the cottage will be done by the Junior Girls who had Home gardening last semester.

Other departments of the School will have their regular parts in the Topsfield Fair. The boys will participate in the judging contests and we will endeavor to give you a complete report in the next issue of the winners.

On another page in this issue the 4-H Clubs will find what they may participate in.

SCIENCE TOUR

The annual Science Tour was held on Thursday, July 13. Only a small number of boys attended. Visits were made to the New England Dressed Poultry Company in Woburn and the Wirthmore Mill and Feed Laboratory. Basket lunch was enjoyed on the banks of the Charles River after which the members enjoyed the baseball game at the National League Park.

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CALENDAR

Sept. 5—New Students enter at E. C. A. S.
Sept. 6—Upper class girls return to E. C. A. S.
Oct. 2—Upper class boys return to E. C. A. S.

FAIR DATES

Sept. 6-10—Topsfield Fair.
Sept. 10-16—Brockton Fair.
Sept. 11, 12, 13—Greenfield.
Sept. 17-23—Eastern States Exposition at Springfield.

ANNOUNCEMENT

We are happy to announce to our readers that Ellery Metcalf, Instructor here at Essex Aggie, the owner and breeder of "Metcalf's White Americans", has promised to write a series of articles about the World's Poultry Congress, recently held in Cleveland.

The first article will be in the September issue.

From what we have heard this past week from those who have returned it was a grand time and a grand experience. Mr. Metcalf made a name for himself and was received by many people of note.

Besides those listed in last month's issue of this paper three of our graduates attended the Congress, they were Norman Morgan of Andover, Gilbert Freeman of Beverly and Ralph Broughton of Peabody.

CONGRATULATIONS TO MR. STIMSON

We may be a bit tardy with our congratulations to Mr. Stimson but nevertheless they are sincere.

In case you did not know, on March 8, Rufus W. Stimson, Supervisor Emeritus of Agricultural Education in Massachusetts, was appointed Research Specialist in Agricultural Education in the Office of Education, United States Department of the Interior, Washington, D. C.

His work is to assist in the project of writing a History of Agricultural Education. Each of the forty-eight states have been requested to designate two persons with whom Mr. Stimson may work directly in assembling historical data and in drawing conclusions: (1) one representing general education and agricultural courses therein, and (2) one representing the separate field of vocational education in agriculture.

Many members of the Essex Aggie family present and past have known Mr. Stimson intimately and they join in congratulations.

F. F. A. PROJECT TOUR

As we go to print the announcements for the Annual F. F. A. Project Tour are being mailed to members. Each year this organization plans a tour, when the members visit some of the out-standing farms and gardens and if time permits they visit some of the projects that recent graduates are working on.

This year August 22 is the date for the tour leaving the School at nine in the morning and visiting Mrs. Spring's estate in Boxford, where Albert Rock is on project. Then on to John Chadwick's in West Boxford where Joseph Kearney is this summer. From there they will go to Haverhill to visit George Burkhardt. If time permits, they will go to two places in Methuen, to see Charles Mahoney's Fruit Farm and Roland Wagner's Dairy Farm.

All will bring their basket lunch and this will be enjoyed on the shores of Canobie Lake in Salem, New Hampshire. Following lunch, there will be a calendar of sports namely swimming and baseball.

The committee in charge of this tour is Conrad Nollett, chairman; Harold Jones and Henry Britton.

HOUSEHOLD HINTS

In these days of high humidity there is one thing that always troubles the housewife, that is "salt that is damp". One way to keep it free flowing is to add a few grains of rice to each salt cellar. If you keep that main supply box of salt on the shelf of your gas stove, you will find it is always dry.

If you cook green vegetables uncovered, their color is preserved.

To clean oil cloth use a mixture of milk and water. This will not dull the colors.

Some people advocate the sprinkling of a little lemon juice over the

LIVING "BY THE SIDE OF THE ROAD"

In the July 1925 issue of the Essex Farmer there was a short article with the above caption, concerning the senior project of Norman Randolph Morgan. Today, fourteen years later, Morgan is still living by the side of the road on Lowell Street, Andover, where he owns and operates, Morgan's Poultry Plant, of 58 acres. Raising 10,000 chicks a year, housing 2800 layers and doing a gross business, mounting to five figures.

"We started on a shoe-string", in the worst years for building a poultry business, Norman told me when I called at the farm for a few facts. It was discouraging. We often felt like quitting, but we played ball and came through. When business conditions were poorest, with sickness in the flock, we kept up our credit and were able to buy our present farm in 1936.

Briefly, Morgan's first ten years after graduation from Essex Aggie were spent at the Braeland Farm in North Andover, where he passed from hired man to manager and finally leasee. He knows every phase of the poultry business from feeding to marketing. He obtained his first practical experience at the School, being foreman of the poultry plant in his junior year under Mr. W. B. Moore and the late A. W. Doolittle, former poultry instructors. Morgan also values the experience he obtained in selling at the Half-Way Stand. He attributes his success in part to being able to market his products successfully at the Roadside Stand and on retail routes in Lawrence and vicinity.

In 1928, "Normie" married Naida B. Kennedy. She has been a real partner in the business lending a hand when and wherever needed. Morgan does not hesitate to give credit to Mrs. Morgan and to two of his faithful workers, Elmer Peterson and Howard West, for the growth and success of the business.

Still in his early thirties, Morgan has made an enviable record in poultry and frankly admits that the School started him off on the right foot and kept him there until he was firmly established.

G. E. Gifford

layers of apples in an apple pie to improve the flavor. Salt added to apple sauce or to an apple pie before it is cooked adds to the flavor.

The left over lemon rind is very effective stain remover when rubbed on a sink.

Have you tried using a wet thread instead of a knife when cutting butter? Try it we know you will wonder "why I never did it before".

We are told that the elements of an adequate diet are contained in cheese, whole wheat bread and fruits. Also that green lima beans are an excellent source of Vitamin C.

OLD AND NEW METHODS OF PREPARING SEEDS

Sometime ago Mr. William Sanford sent us an article on how cucumber seed was prepared for market. Very recently (last month) the United States Department of Agriculture released information on the latest method of preparing seeds, hence we will give you a bit of both methods.

Mr. Sanford wrote: After the cucumber preferably the White Spine Cucumber has matured it will be large and very meaty and deep green in color, streaked with white. The vine will have died down considerably and we will see mostly the large cucumber stock as we look down the rows. We choose only our very best stock, which are well ripened matured cucumber and true to name and shape.

Gather the cucumbers in bushel baskets and pile them in heaps of about 25 bushels to a pile. It is well to leave them alone for several days to mellow in the sun. In the meantime we get our equipment together. This will consist of heavy barrels, either vinegar or molasses with the heads removed. Each cucumber is sliced the entire length with a very sharp case knife and then dug out with a cucumber gutter. A gutter may be a homemade instrument and can be made of inch metal strapping. An old iron barrel hoop could be pressed into service. It should be oval in shape and about 3" long with a 4" wooden handle.

Barrels should be only 2-3 full, never fill because as the contents sits in the sun it ferments and will rise to the top and go over. After it has set for two or three days it will be necessary to stir it several times with a long wooden paddle. Stir it for two or three days until the pulp starts to decay. All the matured seed will settle to the bottom of the barrel and the liquid can be poured off.

The seed left in the barrel is washed by force through a copper screen container. This too, can be homemade, by using copper screening on a wooden frame two feet high. This is to keep the seeds from being washed out of bounds. The pulp goes through and leaves the seed perfectly white and clean. Then the seed is spread on white sheeting to dry. Never lay it on newspaper as the acid from the seed will cause the print to come off on to the seed and ruin it for commercial use.

The next step is to rake it over carefully every day to help dry thoroughly. Keep it in a dry shed spread out where it will be left safely. After about ten days of drying it will be ready for the winnowing machine which will give it a finished job of cleaning.

If melons, lemons and limes are put in the refrigerator they should not be put near butter or eggs as these articles will absorb the odors.

U. S. D. A. REPORT

By slowing the speed of a hammer mill, a grain grinder used on farms, Soil Conservation Service workers have a convenient tool for cleaning seeds of many of the trees, shrubs and vines used in conservation programs. With it, Hugh A. Stevenson, manager of the Soil Conservation Service nursery at Elsberry, Mo., has cleaned dry-shelled fruits such as locust, catalpa, and rebud, and fleshy fruits such as plums, grapes, hawthorns, apples and berries.

To prevent injury to the seed, the hammer mill is operated slowly, often at only 400 revolutions a minute. With dry fruits the mill cracks the shells, but not the seed. The seed can then be cleaned with a fanning mill. With the fleshy fruits, the hammer mill smashes the pulp and a stream of water floats it away, leaving the seed on the screens of the mill.

The usual nursery method of separating seeds from pulpy fruits has been to ferment the fruits until the seeds either float to the surface or drop to the bottom of the tank. Experiments show that the fermentation process often injures the seeds so that they do not germinate freely. The hammer mill method of cleaning is not only cheaper, but with intelligent management of the mill to avoid injury to the seeds, it results in better quality seed with a higher rate of germination.

EXHIBITING FLOWERS

(Continued from page 1)
to select from our box the blooms most typical of the variety as to form, color, size and length of stem. We may first pick out more than we need, and be forced to reduce the number by eliminating the poorer specimens until we have left the exact number called for by the schedule, neither more nor less. Stage specimens to their best advantage and wedge them in the container so that they will not be displaced through handling. Have flowers face forward. A judge is impressed right away by the trim aspect of such an exhibit, and, caught off his guard as it were, he unconsciously develops a kindness toward an exhibit that ostensibly has nothing to hide.

H. Linwood White,
Instructor in Floriculture

F. F. A. CONTEST

The Future Farmers of America sponsor a National Chapter contest with prizes amounting to \$500. This money is awarded to Chapters whose work most nearly approaches the objectives set by this young farmers' organization.

This year the Essex Chapter is preparing a report of its work which will be submitted to the National or-

GARDEN CHAT

A large number of people attended the Annual Field Day at the State College Field Station on August 2nd. Many hundreds of colorful annuals and perennials under plant food, etc., studies. Several tractor companies were showing the merits of their machines to interested groups of market gardeners. There were many entries of vegetables in competition, all of which were of extremely high quality. The following entries were noted:

7 boxes of white celery
4 boxes of pascal celery
8 boxes of bunched carrots
8 baskets of tomatoes

While speaking about entries at the Waltham Field Station one is reminded that the Fall Fairs are near and those planning to exhibit should begin to note specimens that might be worthy of such purpose. There are four distinct points to consider in preparing vegetables for a competitive contest: trueness to type; quality (not over size or under size, nor over ripe or too green, etc.); uniformity as to size, shape and color; and condition (freedom from disease and insect damage).

The exhibitor should thoroughly read the premium list and rules and then follow them in preparing them for the contest. Wash specimens only where instructions call for such. Leave 1-2 to one inch of tops on plate exhibits of beets, carrots, etc. Do not wash potatoes, dust them off with a soft cloth. Have your entries at the Fair on time as instructions call for.

There is just as much opportunity for one to show good sportsmanship in competitive contests at the Fairs as there is in a football game or horse race.

It may be that one of your competitors has a plate of vegetables that is a little better than your plate and yet you put in the best plate you could find. Don't be disappointed or put out, but profit by the situation and make up your mind that next year you'll win out instead of taking second place.

C. M. Stearns

Miss Foley of the Foods Department at Mass. State College Extension Service says that those who are affected by the lights of cars in night driving should eat more carrots. There is a certain element which helps the eyes against the glare of the lights.

ganization in September. For several years nearly all student activities at the School have been managed by committees and clubs which are controlled by the executive committee of the Essex Chapter. When it was realized that one activity alone, i. e., the roadside stand does a gross business of over \$2,000 a year, the volume of work done by the whole chapter may be better understood.



4 - H CLUB NOTES



STATE CAMP REPORT

All reports from those who attended one of the several camps held during July at Mass. State College are that a grand time was had by all. There was much fun as well as seriousness to the camps.

Those who attended the Conservation and Music Camps reported they had gained a lot not only in new ideas but in inspiration.

There were 187 4-H club members at the Junior Leaders camp and six were from Essex County. Considering the small number in proportion to some of the other Counties, those from Essex were recognised. The very first night our boys were among those chosen to assist in the serving of dinner.

Rose Biadini was the chairman and leader of one of the panel groups for the panel discussion on "The World Today".

Marjorie Crosby of Andover was our out-standing member. Marjory was chosen to be in the pageant on the last evening of Camp. She had to send home for her suit she made and won a prize with at the State Dress Revue. Marjorie was chosen by the Nakwisi tribe to present the tribe's gift to "Uncle George Farley."

Those who attended the Adult leaders camp were Mrs. Leon Jordan of Groveland, Mrs. G. Richard Abbott of Andover and Mrs. Mary Pettingill of Danvers.

M. R. T.

DAIRY BOYS AT WORLD'S FAIR

The 4-H Club Boys of Essex County certainly have done a lot of travelling this summer. We find one group went to Cleveland and here another were fortunate enough to go to New York and attend the World's Fair. We wonder where the next group will be privileged to go.

Three Essex County boys, Norman Allen of Ipswich, Samuel Noyes of Georgetown and Lyman Orcutt of West Newbury were among fifty Massachusetts 4-H Dairy Club boys who spent two days this month at the New York World's Fair, chaperoned by Mr. and Mrs. Harley Leland of Amherst. This trip was awarded the boys by the Wirthmore Co. Each year a similar trip is held and out-standing Dairy boys are chosen to go. This year they saw not only the Borden's Roto-lactor but had the chance to see the entire World's Fair.

RESULTS OF SUMMER PROGRAM COUNTY CAMP

The past two months have been very busy ones for all 4-H Club members. County Camp at Leslie's Grove in Georgetown was held from July 9 through July 22. This was the first County Camp since 1933.

Seventy club members were enrolled during the period. The Camp was under the direction of County Agent Horace J. Shute and Miss Helen A. Walker.

The program was typical of all 4-H camps, with nature work of insect study, bird study as well as plants and trees were studied while a nature trail was made.

Every morning a model 4-H Club meeting was held bringing out the real values of 4-H Club work.

The buddy system was used each day at the swimming periods and the campers were soon in one of three classes, namely: swimmers, beginners and splashers.

Hobbies were popular and the results were shown at the exhibition at the close of camp when articles in leather, metal, paper, were shown as well as some crocheting, photography and silhouettes were displayed.

One of the things long remembered by all campers everywhere are the evening programs around the campfires. Stunt nights, with contests of skill and then the more serious programs ending with the lovely Candlelight service on the last night in camp.

Those at Camp Leslie especially those who were fortunate to stay the two weeks had the privilege of attending two such services. A boy and a girl was chosen to represent the 4-H's in the ceremony. In the first week's camp the following were chosen: Shirley Bennett, Danvers and Donald Rutledge, Swampscott, Head H. Ruth Woodworth, Groveland; and Peter Berg, Newbury, Heart H. Jean Hardy, Andover and George Carl, Newbury, Hands H. Aldene Dozier, Swampscott and Elmer Dexter, Danvers, Health H.

These young people were chosen because of their general camp spirit and attitudes toward the particular H for which they were chosen.

The second week of camp the following were chosen: Shirley Lister, Methuen and Joseph Blaisdell, Groveland, Head H. Elma Smallwood, Danvers and David Gifford, Middleton, Hand H. Dorothy McDowell, North Andover and Elmer Dexter, Danvers, Heart H. Patricia Maguire, Methuen and Fred Creed, Beverly, Health H.

A camp banquet was held on the final night of camp with the special

4-H CLUB GIRLS ATTENTION!

In a few days we will be in the midst of our fall program and the first events that will interest us will be the Fairs.

First there will be the Topsfield Fair. Club members who have been working hard all summer during the hot days canning have a great opportunity to win prizes. There is a chance to exhibit all kinds of fruits, vegetables, jams and jellies and the awards are cash prizes.

The annual Ball Brothers Contest, is open to any club member between the ages of 10 and 21. This exhibit consists of only 2 jars, one of non acid vegetable and one of fruit. Here is another case where quality not quantity comes out ahead. So pick your best jars.

The work done in last winter's projects may be exhibited in the clothing and foods exhibits. Aprons, suits and dresses of all types may be entered.

Foods girls may pack one more lunch box and send it off to the Fair. There will be a place to exhibit recipe books, files or posters as well as actual food such as muffins, cake and cookies.

There will be the judging contests on Saturdays, entrants to judge vegetables, fruit, jam and jelly and answer 10 questions pertaining to the subject.

At the Brockton Fair the annual Singer Sewing Machine Contest will be held again this year. The County elimination contest is planned for the last of August and the two girls selected will go to Brockton on September 14. There will be a new feature at Brockton for 4-H girls that is the Home Economics Judging Contests. These will be held on Thursday, September 14 in canning and food. They are similar to the ones to be held at Topsfield Fair. The winners at Topsfield Fair will have the opportunity to go to Brockton.

There is one more opportunity for the girls and boys in the canning field, The Hazel Atlas Contest, this year is to be held at the Eastern States Exposition in Springfield.

H. A. W.

guests being Director and Mrs. Smith; Mr. and Mrs. Melville Grey, representing the board of Trustees and members of the Camp committee Mr. and Mrs. Alfred Godbout, Mr. and Mrs. C. L. Ropes, Mr. and Mrs. Harvey Kelley and Miss Hilda Fitzgerald.

The camp closed on Saturday, July 22 with many fond memories and great anticipation of owning the site for a permanent camp in the near future.

H. J. S.

ESSEX FARMER AND HOME MAKER

VOL. 21

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NO. 9

Japanese Beetle Is In the County

The Japanese Beetle has now established itself in Essex County. Recently, a serious local infestation was discovered on a private estate along the North Shore. Since this beetle is hardy, prolific and a heavy feeder on a wide range of plants, it is important that it be recognized and promptly destroyed.

Briefly the Japanese Beetle may be described as being slightly less than one half inch long and a half inch wide. It is plump and sturdy looking with a bright shining green head, thorax and abdomen. The wing covers are a copper brown and seen from above the beetle has a series of white hairy patches along the top edge of the abdomen. This characteristic marking easily distinguishes the Japanese beetle.

Next year's crop of adult beetles are now in the larvae stage feeding on the roots of grasses. Hence the adults will not be observed until next August. At this time they can be destroyed by crushing, burning or by dropping them in a can of kerosene. As a measure of control the U. S. D. A. will probably introduce parasites into this county and where the infestation becomes serious, turf will be treated with an insecticide.

Most people are familiar with the Rose Chafer, commonly called Rose Bug, and realize what a serious pest it is. The Japanese Beetle is a much more serious pest and every effort should be made to stop this pest from pyramiding its numbers. Further information concerning this pest can be obtained by writing to the Essex County Agricultural School, Hathorne, Mass.

James F. Gallant
Science Instructor

APPRENTICE TEACHERS

Each year we have two apprentice teachers here at Essex Aggie, one in the Homemaking Department and the other in the Agricultural Department.

This year Miss Genevieve Wheeler of Haverhill, is at the Homemaking Department. Miss Wheeler is no stranger to us as she was here two years ago during her Junior year at Framingham State Teacher's College. At that time she was here for eight weeks of her practice teaching.

Everett Roberts of Quincy is in the Animal Husbandry division for this year. We quote for the July issue of the Norfolk County Bulletin:

(Continued page 2, col. 3)

The Entering Class

On the week of Labor Day the School opened its doors to receive the largest entering class in the history of the School. This class numbered nearly 200 students. It is to be noted that an unusual number are high school graduates, which should give them special fitting for taking up this new type of study and work.

The citizens of Essex County, by their taxes, make it possible for these students to receive this special education and training without cost to the parents. From the fact that an unusual number of non-resident applicants have been refused should make these selected students most determined to take advantage of and make every possible use of their opportunity.

The teaching staff is especially anxious to give these selected students the best possible preparation and training for their life's work and career. We urge a similar enthusiastic response from the students.

THE SCHOOL AND THE FAIR

The Essex County Agricultural School took more than usual responsibility in the work of the Fair this year. The School exhibit in the Grange Building was entirely and completely prepared, set up, and serviced by the Homemaking Department. The School had exhibits in the various special departments, notably fruit, vegetables, swine, field crops, and poultry. A special display of new fruit, which was particularly outstanding for the large number of varieties of pears, was one of the factors.

Nearly every member of the Agricultural School staff was in some way responsible for the success of the Fair through serving on various important committees. The School furnished the nurse for the Red Cross unit.

We note with great interest that the Essex Chapter of the Future Farmers of America was very conspicuous by its exhibits of many kinds and in many departments. An unusual number of students judged in the student classes in competition with agricultural students from all parts of the state, and received a good percentage of the awards.

The 4-H Club interests were well taken care of by the Club Agents from the School. This department has developed into a very far-reaching exhibition and service.

Fall Flower and Garden Show

Plans are being completed for the fourth annual fall flower and garden show, to be held in the Agriculture building at the School on Friday, Saturday, and Sunday, October 6, 7, and 8. All garden spaces in the gymnasium were taken up last spring, and exhibitors are getting their plant and other materials ready. Where some water was used, garden annuals survived the drouth, and there is promise of a fine display in the cut flower and arrangement classes in the assembly hall.

Dorothy McGregor of West Boxford is the general manager, and has for her assistants Arnold Hebert of Saugus and Edward Mitchell of Lynn. The Essex Floriculture Club of the Future Farmers of America is sponsoring the show, with interested members of the Echo Club of the home making department acting on committees. Division Chairmen are: collections, William Senior, Byfield; displays, Robert Landry, Gloucester; house plants, Frank O'Connor, Lynn; plant arrangements, William French, Lynn; miniature gardens, Ruth Call, Danvers; cut flowers, Thomas Fullerton, Marblehead; flower arrangements, June Agersea, Saugus; unclassified, Horace Dalrymple, Haverhill.

Competition is open to all undergraduates, and to the School staff and families for whom a special section of the hall is reserved. The main exhibition hall will accommodate garden and natural scenes, garden benches, flower beds, and a central pool with fountain in action. In the assembly hall collections of annuals, dried and prepared plant materials, succulents, and gourds, and displays of potted plants and seasonal cut flowers are the main features. Some twenty-six classes of flower arrangements will include still life studies and give the artistic minded a full opportunity to extend their talents. The entire schedule permits a choice of nearly 200 classes in which members of the School may enter exhibits.

The Show will be open to visitors from 2.00 to 10.00 P. M. on the first day, and from 2.00 to 5.00 P. M. on both Saturday and Sunday. An entertainment will be provided on Friday evening at 8.00 o'clock, and plants and nosegays will be on sale. There are no admission charges.

H. Linwood White,
Instructor in Floriculture

Essex Farmer and Homemaker

HATHORNE, MASS.

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TOPSFIELD FAIR NOTES

Topsfield Fair has come and gone
and we have only pleasant memories
of the hours spent in planning and
executing our part in the Fair.

The Homemaking department had
their cottage and the comments from
the people who attended were very
favorable. The display of dresses and
notes books and charts were all very
interesting as well as the handcraft
work but to one listening to the com-
ments and the questions asked the
large sponge cake and the fancy tea
sandwiches were the things that
were of interest to everyone who vis-
ited the cottage.

All of the teachers on the Home-
making staff served at least twice at
the cottage and a group of girls ad-
eided them. These were Olive Judge,
Bernice Marsland, Alice Cadoret,
Muriel Craven, Marjorie White, Ilene
Briggs, Elsa Ljunggren, Claire Bur-
gess, Eleanor Taylor, Bertha DeDu-
ca, Mary Maklae, Dorothy Gravel,
June Agersee, Muriel Pontius, Reina
Gumb, Frances Calvert, Catherine
Hitchock, and Phyllis Cook.

The crowning event of the Fair for
those at the cottage was on Sunday
afternoon, because of the rain the
choirs scheduled to sing on the after-
noon program, chose a place just
outside of the cottage, in the Grange
building to give their concert.

AN INSTRUCTOR GOES TO "CONGRESS"

Last month we told you that In-
structor Ellery E. Metcalf was plan-
ning to write a series of articles for
"The Farmer". This is the first of the
series and incidentally the same as
he has been asked to write for the
Agricultural Leaders' Digest. Ed.
note.

It has been my privilege to have
taken part in the Stupendous Poultry
Classic of this Century; the Seventh
World's Poultry Congress.

From July 28 to August 7th 800-
000 people viewed this gigantic
Pageant of Poultry Science and In-
dustry at Cleveland, Ohio, noted Con-
vention City of the Nation.

From both near and remote sec-
tions of North and South America
and from several distant nations
across the oceans, people came to
support and admire with a feeling
of pride and awe, this typically Amer-
ican "Session" in the series of
Poultry Congresses held triennially.

Developed around the triennial
meetings of the World Poultry
Science Association and vigorously
supported by states and nations and
the progressive individuals in all
branches of the Commercial and Fan-
cier Poultry Industry and allied in-
dustries, this Great Drama provided
for producers and consumers in-
struction, entertainment, beauty, ex-
citement, business stimulation and
renewed faith in one of the World's
Major Agricultural Enterprises, the
Poultry Industry.

The use of superlative phrases in
reference to this event can not in the
least exaggerate its vastness, lifting
power, and general value to the In-
dustry.

My ardent interest in the Congress
was typical I think of the keynote of
the entire event which was coopera-
tion and mutual support between
poultry science as such, and the re-
search discoveries of science applied
to the solution of problems and to the
general advancement of the Poultry
Producer and Consumer Industry.

During the past seven years I have
had for my Vocational Agricultural
Instructor's long term professional
improvement program, the creation
of a new utility breed of poultry
combining high production of dis-
tinctly brown shaded eggs with ex-
ceptional plump body conformation,
possessing yellow skinned superior
meat qualities.

New England consumers definitely
prefer this combination of real brown
egg shell color and yellow skinned
plump bodies.

Through the interest and coopera-
tion of four agencies it was made
possible for me to set up in the Hall
of Live Poultry at the Congress an
exhibit of twenty-six live birds and
their eggs. This exhibit was entitled,
Building a New Utility Breed

"White Americans"

A Demonstration of Applied Genetics
Steps in Blending Production

AMERICAN BEGONIA SOCIETY

Eastern Branch

The second annual meeting of the
Eastern Branch of the American Be-
gonia Society was held on August 26,
at the Logee Greenhouses, Pomfret,
Conn., with 30 present. After an in-
spection of the largest collection of
Begonias in the east, and a picnic
lunch, the group met for business and
lectures. Mr. Stuart Barstow, Jr., of
Saylesville, R. I., displayed superb
blooms from his collection of tube-
rous begonias, and told how he
grows them. Mrs. H. H. Buxton of
Peabody described several of the
newest species and hybrids, and show-
ed specimens. The Branch voted to
hold its next annual meeting at the
School. Officers elected were: Earle
Sampson of Waltham, President; H.
Linwood White of the School, Vice-
president; Aubert Giles of Danvers,
Secretary; and Charles I. Gould of
Middleton, Treasurer.

H. L. White

APPRENTICE TEACHERS

(Continued from col. 1)

'Everett Roberts of Quincy, received
his Bachelor of vocational agriculture
degree from Massachusetts State Col-
lege in June.

Mr. Roberts graduated from Nor-
folk County Agricultural School with
the Class of 1934 of which he was
president for three successive years.

When President Hugh P. Baker an-
nounced special awards at the M. S.
C. commencement exercises on June
12, Mr. Roberts received recognition
as a recipient of a Hood Dairy Schol-
arship and as third prize winner
(\$10.00) in the annual Grinnell com-
petition for excellence in agriculture."

We welcome both of these teachers
to our staff this year.

In raking a lawn area preparatory
to seeding, L. S. Dickinson, Massa-
chusetts State College lawn specialist
recommends raking up the slope in-
stead of down, to keep the valuable
top soil on the hill. The rain will
wash it down soon enough.

Breeds of Two Continent
The European Barnevelder and the
American Rhode Island Red

My exhibit showed clearly the de-
velopment of the new breed from the
foundation mating to the seventh
generation. I received highly gratify-
ing compliments from scores of per-
sons of professional note in poultry
science and instruction field, both
American and foreign, and had the
great pleasure of talking personally
with hundreds of interested commer-
cial and fancier poultrymen. Secre-
tary of Agriculture, Wallace, showed
marked interest in my exhibit dur-
ing his tour of inspection.

(Continued next month)

NEW STUDENTS

Once again Essex Aggie has a large entering class and a number who applied have been turned away because of the lack of space. The following is the list of new students: Andover, Monica Coleman, Ruth Anderson, Elaine Rainville, Dorothy Randlett, Adelaide Webb, James Boardman, Arthur Manock, Thomas Gauthier, William Keith, Herve Croteau; Amesbury, Jewel Currier, Everett Amidon; Beverly, Nathalie Grant, Mary Hayes, Patricia Kelleher, Phyllis Kenney, Agnes Martin, Gwedolyn True, Elizabeth Whalen, M. Louise Dumas, Phyllis Gardener, Irving Barter, Harold Kelley, Kenneth McBride, Eugene Burr, Ralph Reynolds, B. Allen Roberts, Chester Tillson, Myron York; Boxford, Rosamond Coughlin; Danvers, Marion Bean, Mary Davison, Ada Fothergill, Rita Hitchcock, Betty Johnson, Elaine Kennedy, Ruth Spencer, Jane Uliano, Carolyn Putnam, Virginia Rushworth, Helen Small, Rodney Clark, Richard Thomas, James Horgan, Francis Pierce; Essex, Edwin Story, George Allen, Hervey Doyle; Gloucester, James Chisholm, Richard Snow, Robert Andersen; Hamilton, Evelyn Dodge, Ruth Jackson, Jessie Shaw, Elinor Carter; Haverhill, Alice McGinness, Susan Quimby; Lawrence, Lena Barbagallo, Rita Bosse, Genevieve Clark, Mafalda Fusco, Doris Gaudette, Lorena Loeffler, Claire McMahon, Eleanor Stevens, Catherine Sullivan, Robert Meier, Edward Lynch, Robert Smith, Gilbert Fournier, Chanel LasOnde; Lynn, Ada Brackett, Catherine Cahill, Lucille Derrin, Helen Dunton, Nancy Farnsworth, Thelma Gray, Ruth Maxwell, Gloria McGarvey, Virginia Hare, Thomas Miller, Christos Mpelkas, Kendall Ball, Leo Clement, Wallace Frost, Ellsworth Tarbox, James Bezanon, Russell Cunningham, Ralph Eldridge, Jr., Thomas Fee, Donald McGee, Edward Moran, William Scanlon, Morton Solett; Marblehead, Ruth Bessom, Ernestine Lawrence, Joan Manwell, Beverly Sawyer, William Hawkes, John Phillips; Merrimac, Barbara Murray, Ansel Clark; Methuen, Doris Bonze, Harriet Dunkaw, Ann Foley, Grace Waters, Arthur Nicholson, James Anderson, James Boardman, Franklin Barlow, Leon Barlow, Raymond Barlow, Robert Condon; Middleton, Ethel Currier, Page Gifford, Olive Tuttle, Paul Goodale, Ralph Peaslee, William Bissett; Newbury, Marjorie Rogers, Margaret Savage, Edward Russell, Iva Noyes; Newburyport, Doris Call, Dorothy Hall, Mary Smith. Peabody, Beatrice Amar, Eleanor Annis, Rita Bowes, Dorothy Farnham, Dorothy Howarth, Pauline Hudson, Alice Kirwin, Kathleen McCarthy, Virginia McCarthy, Margaret McLaughlin, Elizabeth Moulton, Dorothy Rowbottom, Alice Ryan, John Keilty, William Thomas, Earle Carpenter, Arthur Johnson, Philip Parker, John Fitchuk, Robert McGinn, Stewart

FALL EXTENSION CLASSES

Mrs. Mary McIntire, Home Demonstration Agent reports that the Fall classes are now starting with capacity registration. There will be classes in Food Preparation by Miss Esther Belair in the following towns: Swampscott, South Groveland, Marblehead, Manchester, and Hathorne.

Mrs. Mary Roundy will have classes in Home Hygiene and First Aid in, Newburyport, Salisbury, West Newbury, Essex and Danvers.

Mrs. Ruth Morley, Child Guidance Specialist from the State College will have classes in Swampscott, Ipswich, Rowley, Newbury and Manchester. Some of the subjects that will be discussed will be "The Fundamental Needs of the Growing Child," "Discipline", and "Family Cooperation".

A new type of class will be in Thrifty Buying, these classes will be held in Newbury and Manchester. Mrs. Esther Cooley Page, Clothing Specialist, at the State College will discuss "Can I be sure of getting what I want when buying yard goods or ready-made clothing?"

Miss May Foley, Nutrition Specialist will take for her subject, "Is my family getting the most out of the money I spend for food?"

Mrs. Harriet Haynes, Home Management Specialist will discuss with the same group "With the money I have left, what shall I select when I buy new equipment?"

Mrs. McIntire is planning to have her regular classes in Clothing and Rug making this fall.

In 1893 the tomato appeared before the Supreme Court of the United States to have the question decided whether it was a fruit or vegetable. The highest court of the land ruled that in common parlance, and in tariff regulations, the tomato is a vegetable. Botanists still contend that it is a fruit.

O'Brien, Guido Germano, John Harkins, Joseph Pitrowski; Rockport William Robinson; Rowley Imogene MacRae, Kathleen Mason, Amy Andrews, William McHaffey, Leonard McKay, Kenneth Spurling, Bernard McCormick; Salem, Grace Birmingham, Priscilla Cobb, Marjorie Coughlin, Simone Dionne, Irene O'Brien, Barbara Phelan, Audrey Shea, Dorothy O'Hara, Robert Bertram, James Furey, Joseph Mizzi, Arthur Kulakowski, Winston Morse, Robert Arrington, Julien Wojtnuk; Salisbury, George Pike, Jr.; Saugus, Regina Barrow, Ruth Karlson, Lois Rand, George Hoffman, Philip Page, Charles Southard, Leo Giardino, Fred Gott, David Williams, Alvin Berry, Carl Berthold, Robert Coburn; Topsfield, Amelia Plummer, Daniel Fuller, George Wilmot; Wenham, Chester Luxton, Harold Cummings; Swampscott, Richard Brown, Theodore Dichirico.

GARDEN CHAT

As one traveled through the vegetable building at the Essex County Fair, one became greatly impressed at the high quality of the vegetables on exhibition considering the dry season we have seen.

There was only one entry of a large variety of vegetables most attractively arranged in the Private Estate Class, and this received much favorable comment. Five collections of five boxes each were in close competition. The first prize in this class was entered by Stony Mead Farm of Concord, Mass., who won first prize last year as well.

It is interesting to note that more entries each year appear by graduates and students of the Agricultural School in both the adult and junior departments. This goes to show that they must receive much interest in the trip that all new students take each year to the Fair where they receive first hand information as to the profits that exhibitors and the general public receive at the Fair. A brief statement in the program book of the Fair under the vegetable department write-up and premium list is made "that the day for overgrown or freak specimens is over and that only high quality vegetables should be entered."

Several students helped in putting up the Essex Chapter Future Farmers of America roadside stand exhibit of flowers, shrubs, vegetables and fruit. This exhibit won a first prize rosette ribbon.

Another feature this year that proved to be an improvement over other years was the placing of the prize awarded plates on a raised shelf on the back part of the tables. These were so placed that they could be well seen and all plates deserved well their elevated position.

Next year the committee hopes that more prize money will be available, and knowing about it ahead of time, to encourage a goodly number of entries in the private estate class. In brief, this would include a display of vegetables arranged attractively over 20-30 square feet of table and corresponding wall space.

Now that the Fair is over one thinks about getting all available land harrowed or plowed up and seeded down to rye as a cover crop for the winter. The later one goes into the fall the more seed one should sow per acre. During the month of September sow rye at the rate of 1½ bushel per acre. Next month plan to use two bushel per acre basis.

Don't plan to store away vegetables that are not ripe, fully grown or the other extremes. Vegetables to keep well should be of good size, well cured, handled carefully, free from disease, insect or mechanical injury, and of high quality.

C. M. Stearns



4 - H CLUB NOTES



POULTRY TEAM WINS CUP

Added to the collection of medals and cups in the case in the office at Essex Aggie will be a large silver cup for the coming year. This cup was won by the Essex Aggie School Poultry team at the Topsfield Fair. This is the first time in the eight years that this cup has been awarded that our team has brought it home.

The cup is the Wirthmore Poultry Feed Cup given for Poultry Judging Contest by the Essex County Agricultural Society. Those on the team were Algerd Ramaika, Haverhill; Conrad Nollett, West Andover; Morgan Meehan, Lynn; Forrest Reynolds of Amesbury was alternate.

In the individual scoring Morgan Meehan was second; Conrad Nollett, fourth and Algerd Ramaika was fifth place.

Conrad Nollett was chosen as alternate on the team chosen to judge at Eastern States Exposition, those on the team were from West Springfield and Norfolk school.

Other students who won prizes at the Fair were George Solomon and Lloyd Briscoe in the fruit department; Harold McEwen, Gordon Russell, Robert Gagnon, Thomas Leahy, Gordon Pingree, Henry Stephenson, Gerald Pelletier and Robert Jenkins in the vegetable class and Harold Raynor with his poultry notebook and scrapbook.

REORGANIZATION

With September comes the time to reorganize our winter projects in club work. Again a busy year faces us, perhaps busier than ever before. Since we are anticipating more activity we are relying on our present leaders to organize their clubs as usual and as much of the Club Agents time as possible will be spent organizing new clubs in new communities. Our goal is at least one club in every community in Essex County.

Club Folks—old and new—won't you help us out by letting us know of prospective club leaders and members? Let's get a good beginning.

Helen A. Walker,
Asst. Club Agent

LEAFLET AVAILABLE

'The Good School Lunch' is the title of extension leaflet No. 73, available free to residents in Massachusetts from the mailing room, Massachusetts State College, Amherst, Mass. It gives menus and recipes for brightening up the school lunch box and using the school lunch to round out a well balanced diet for the growing child.

4-H DAIRY SHOW AT TOPSFIELD FAIR

For the first time in many years a 4-H dairy show was held at the Essex County Fair. Fourteen calves, yearlings and 2 year olds from Essex and Middlesex counties comprised the show which attracted a great deal of attention and comment through the entire fair.

The blue ribbon winners in this show were as follows:

Ayrshires, calf class—Robert Atwood of Haverhill with Annabelle of Atwood Farm. Yearling class—Ruth Ewing of Littleton with Glacier Hill Bessie. Two year old class—Willis Gray of Littleton, with Glacier Hill Lady of the Valley.

Guernseys, calf class—James Stuart of Littleton with Wolfpen Bluebell. Yearling Class—James Stuart of Littleton with Lady Bessimere Dotie. Bull class—James Stuart, Littleton with The Lilac Hurricane.

Holsteins, calf class—Donald Woodworth, W. Newbury with Meeting Hill Buttercup Segis. Two year old class—Robert Woodworth, W. Newbury with Meeting Hill Priscilla Sunbeam.

A sweepstakes ribbon was awarded Robert Atwood on Annabelle of Atwood Farm for the best female animal in the show.

On Sunday afternoon a showmanship contest was held (in between the showers). Each club member was required to lead his animal into the show ring and pose her for the judge. The club member then had to take another animal and do the same thing to prove his ability to show animals. This contest was won by Norman Allen of Ipswich, second was Charles Ferguson of Stow and Ruth Ewing of Littleton was third.

The prize in this contest was a fine purebred Guernsey bull donated by the Wethersfield Farm of Danvers.

Both the animals and the showmanship contest were judged by Mr. Rex O. LeParmentier of Wethersfield Farm, Danvers.

From the fine showing and success of this dairy show we are looking forward with much anticipation for a much larger show next year.

Many of the club members shipped their animals on to Brockton Fair and Eastern States Exposition.

H. J. S.

4-H FAIR WINNERS

There were many winners in the 4-H Department of the Topsfield Fair, the three all round 4-H Club members were chosen and these were all Beverly girls, Rose Biodini, Audrey Boisvert and Dorothy MacDonough. They all won many prizes among them Rose and Audrey were chosen to represent the County at the Singer Sewing Machine Contest to be held at Brockton Fair. We certainly hope that one of them will be the winner of the contest, the prize you know is an electric sewing machine.

The other girls who will go to Brockton to compete are in Clothing: Margaret Accomando and Audrey Boisvert of Beverly, Ruth Woodworth, Groveland.

Foods: Anna Smallwood, Danvers, Eugene Stowe, Beverly and Mildred Smallwood.

Canning: These girls are all Beverly girls Helen Bernson, Ruby Trumbull and Mary Thimmar.

BROCKTON AND EASTERN STATES

Many Essex County 4-H boys will participate at Brockton and Eastern States Exposition. Three judging teams have been trained to represent Essex County in the following projects: Poultry, Vegetables and Dairy. The Poultry Team is composed of Leonard Marble, Haverhill; William Goss of Lynn; and George Hoffman of Saugus. The Vegetable Team will be made up of Fred Usher, Danvers; Clyde Crofts, Danvers; and Donald Metcalf of Saugus. While the Dairy team is composed of Robert Woodworth of W. Newbury; Norman Allen of Ipswich; and Albert Noyes of Georgetown. These boys will judge in the various contests at Brockton Fair on Friday, September 15, and at Eastern States Exposition on Friday, September 22.

Many such trips are awarded to boys in 4-H Club work for their keen interest and superior work in their particular project.

Boys' Day

It is hoped that we will be able to include judging teams in handicraft, and conservation for the Boys' Day which will be held at Mass. State College, Amherst on Saturday, October 7. On this day all the counties in Massachusetts will send representatives of each of the boys' projects to participate in the state wide judging contest and Boys' Day Program. The program will also include a football game and a banquet in the evening.

H. J. S.

Contrary to popular belief, high ceilinged rooms are no cooler than rooms with low ceilings.

ESSEX FARMER AND HOME MAKER

VOL. 21

HATHORNE, MASS., OCTOBER, 1939

NO. 10

Many Attend Flower Show

The Fourth Annual Fall Flower and Garden Show was held October 8, 9 and 10 in the assembly hall and the gymnasium.

Many people viewed the show Friday afternoon, even before the judges had completed their task, as well as on Saturday and Sunday. On Friday evening around two hundred people attended the show and entertainment.

A group of girls from the Homemaking department sang, several selections, an orchestra played during the evening.

Mr. and Mrs.

Percy I. Merry of Newton Highlands showed colored movies of gardens and estates throughout the seasons. Mrs. Merry explained the movies as they were shown. There were films of proper flower arrangements and displays of choice Gladioli.

Dorothy Ann McGregor, manager of the show, welcomed the guests, Mr. White, Instructor adviser and Robert Spencer, president of the Floriculture Club awarded the prizes.

The special awards went to Arnold Hebert of Saugus for his "Abandoned Wall", this was given the Massachusetts Department of Agriculture Rosette. Second prize were books to William French and Robert Bowley, Lynn for "Outdoor Living Room"; third, books to Robert Landry, Gloucester and Roland LaRochelle, Lawrence for a "Woodland Bog".

Special awards for the most outstanding exhibit in the other divisions went to William French, Arnold Hebert, Harold Jones, Frank O'Connor, Robert Bowley, Alton Page, Dorothy McGregor, Robert Spencer, Mrs. Harold A. Mostrom and Mr. Miltimore.

Others who won prizes were John Wadsworth, George Banks, Stewart Chase, James Malley, Henry Lay, Barbara Metzger, Ada Fothergill, Elsa Ljunggren, Kenneth Spurling, John Keilty, Peter Venti, Donald Joiner, Ansel Clarke, Ruth Spencer, Robert Gagnon, Charles Randall.

The Library

Each day four girls work diligently in the Homemaking Department school library. The library is open from 8.45 to 9.05 A. M., from 12.00



to 1.00 P. M. and for a short time at the close of school. The girls who work in the library are: Eleanor Taylor and Reina Gumb of Methuen; Mary Maklae of Peabody; and June Agersea of Saugus. Dorothy Bozek of Peabody is training now for substitute work and later will have permanent duty.

These girls handle on an average of five hundred books each day, during the short time that the library is open. The girls working there have become very efficient and are receiving excellent experience.

Our library system is similar to that that many large colleges use and it has worked most successfully with the librarians who are under the supervision of Miss Clarke.

H. D.

The judges for the show were: Mrs. Bessie Buxton of Peabody; Mrs. Charles Randall, Wakefield; James Curran, Danvers, Archie Adamson, Florist and Groundsman at the Danvers State Hospital; and Harold Stevens of the Ropes Memorial.

The Show was sponsored by the Floriculture Club of the F. F. A. and the Echo Club; students who had charge were: Dorothy McGregor, manager and her assistants were, Arnold Hebert, Edward Mitchell,

The New Silhouette

Looking through the shops last Saturday—I asked myself, what and where is the change in the silhouette for fall and winter? We still see the classic shirt-maker dress made up in light weight wools in lovely pastels as well as darker shades. One always looks and is well dressed for most any occasion if she has a dress of this kind. However these did not show the change that I was conscious of.

The new silhouette is the one which shows fullness

somewhere. Sometimes it is introduced by circular cuts, unpressed pleats, peplums, etc.

The newest is the one with the back fullness. Sometimes this is gathered into a back peplum attached to the belt giving a slight bustle like effect. I saw this idea carried out in stiff moire. It was an afternoon dress and very smart.

Above these flaring skirts and peplums the bodices are simple, fitted or softly draped, according to the material used. High necklines were much in evidence.

As to fabrics, they range from stiff silks such as moire and bengalines to the softest sheerest wools. To me at this time black seemed to be high style with brown coming in as a close second, taupes and greens in the darker shades were shown in many departments.

Myrtle R. Dunn,
Instructor in Clothing

SCIENCE EXPOSITION

The 15th Annual Science Exposition will be held at the School November 13 to 15, culminating with a special assembly program on Wednesday the 15th.

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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Secretary, R. H. Campbell	Topsfield

DO YOU KNOW

That All parts of the poison ivy plant contains poison, even long after they have dried out. Smoke from the burning plants may also carry the poison.

That...At the recent convention in Boston of Fire Insurance Underwriters it was stated that more fires take place on farms than elsewhere.

That—For every city resident in the United States, farmers raise one-eighth of an acre of cotton, one-quarter of an acre of wheat, and three-quarters of an acre of corn.

That Seed supplies of Imperial 44, a new iceberg-type lettuce, are far short of demand; therefore, orders should be placed early.

That Pastures treated with lime and superphosphate recovered noticeably better from the extended drought than did untreated pastures. Treat your pastures with these materials this fall. It is the best time to make such applications.

That Now is the time to use lead arsenate on lawns and gardens for control of Japanese Beetle. One pound applied to 100 square feet of surface and thoroughly washed in, is recommended.

AN INSTRUCTOR GOES TO "CONGRESS"

During Instructor Ellery E. Metcalf's attendance at the Seventh World's Poultry Congress in Cleveland, Ohio, this summer he had a number of interesting experiences. In the following article he tells of two.

"One day as I was watching the visitors studying my exhibit, I noticed two men having a conversation by means of the sign language. Realizing that they were deaf mutes, I removed a bird from its cage and allowed them to handle it so that they might discover qualities by the sense of touch.

The older man took a pencil and large writing pad from his pocket and by writing told me that he was O. W. Underhill, special agent for the deaf, State of North Carolina. His headquarters were at the State College Station, Raleigh, North Carolina. He wrote he was a deaf mute himself, trained to teach poultry husbandry to others afflicted as he was. He is supervising thirty others who are handicapped by loss of speech and hearing.

The young man accompanying this special agent was Jenness Morrill, Jr. of Falkland, N. C., who although deprived of speech and hearing was operating an 8000-bird poultry farm.

This brings to mind the interesting fact that the world's largest poultry farm specializing in Rhode Island Reds is located here in Massachusetts and is owned by a blind man.

On another occasion a middle-aged lady from the mountain section of Kentucky who owned a small flock asked to handle some of the "White Americans". Determining the fine meat qualities of them she expressed her opinion of cooks in general by exclaiming in a typical southern folk drawl, "Thar ain't no more'n half the women knows to co-o-ok chicken ainy heow!"

I should like to pay my humble tribute to the four outstanding tireless workers who did so much to "put over" the Congress: James E. Rice, General Chairman, Sidney Edwards, Managing Director; Glenn Campbell, Publicity Director; and W. D. Ternnohlen, Secretary General.

I should also like to give recognition to the Annual Science Exposition held each November at the Essex County Agricultural School. It is sponsored jointly by the Science Department of the School and the Science Committee of the Essex Chapter, Future Farmers of America.

I have exhibited my work on the creation of the "White Americans" each year at this Science Exposition and by that medium I have learned much regarding the technique of presenting a somewhat difficult subject in such a way as to make it clear to the layman.

Three successive years I have had my exhibit at the Mass. State Col-

VALUE OF FOREST PRODUCTS

The value of forests products sold in Essex County in 1934 was \$36,287 with 269 farms reporting. About 2,771,000 feet of hurricane lumber was sawed and sold to the government and 3,112,000 feet was sawed privately in Essex County. It is estimated that about 882,000 feet of lumber still remained in logs on the ground in Essex County on August 1, 1939. This was on farms and not delivered to saw mills.

The average value of the stock sawed into lumber is \$18.72 per thousand feet (\$11.22 in logs plus \$7.50 for manufacturing and sticking). This would give a value of \$51,873.12 for government sawed lumber and a value of \$58,256.64 for the privately sawed lumber. The lumber still remaining on the ground at farms would have an average of about \$4.00 per thousand feet or a total value on the farm of \$3528.

It is estimated that there are about 4000 cords of wood remaining as slash from lumber and another 2000 cords of wood in small hurricane damaged trees. Placing the average value at \$2.00 per cord on the farm, the total value of cordwood would be \$12,000. This would make the total value of the above hurricane forest products in Essex County as of August 1, 1939, \$125,657.76.

C. O. Cartwright

The brilliant red and yellow colors of autumn foliage are caused, not wholly by the skillful paint brush of Jack Frost, but by the disappearance of the green chlorophyll in the leaves. The yellow pigment is simply hidden by the green and comes to light when the green disappears. The red coloring is brought about by a series of complicated chemical changes, not wholly understood even by the plant scientist, according to Orton L. Clark, Massachusetts State College botanist.

lege Poultry Department's Poultry Breeders School. I have been much encouraged by the cooperation of all members of the Poultry Department and the real interest shown by poultrymen attending the School each year.

Mr. Beunnett and Mr. Miltimore of the Essex County Agricultural School have been very helpful to me for several years.

The four agencies whose cooperation made it possible for me to attend the Seventh World's Poultry Congress with my exhibit were: Director Fred A. Smith and the Trustees of the Essex County Agricultural School; Mr. Leavitt C. Parsons, Publisher of the New England Poultryman; The American Poultry Association, Mr. Harry Atkins, of Iowa, President; and the Wirthmore Grain Co.

E. E. Metcalf

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

OCTOBER, 1939

STUDENT EDITORS

Homemaking Department

Lena Barbagallo '41	Lawrence
Doris Call '40	Newburyport
Louise Dumas '41	Beverly
Harriet Dunkason '40	Methuen
Natalie Grant '40	Beverly
Virginia R. Hare '40	Lynn
Ruth Maxwell '42	Lynn
Kathleen McCarthy '40	Peabody
Carol Putnam '40	Danvers
Eleanor Stevens '40	Lawrence
Grace Waters '40	Methuen
Barbara Weston '40	Methuen



ECHO CLUB NOTES

At a recent business meeting the Echo Club voted to send its officers and Miss Lovett, who is club adviser, to Framingham on Saturday, October 14, to attend the meeting of the student groups of the Massachusetts Home Economics Association. The meeting is held at the State Teachers' College.

The officers for the coming year are Eleanor Taylor, Methuen; President; Frances Calvert, Lawrence; Vice President; Phyllis Cook, Beverly; Secretary; and June Agersea, Saugus, Treasurer.

NEWSWRITERS MEETING

On Wednesday, September 27, the first meeting of the newswriters for the Homemaking department section of the Farmer and Homemaker, was held in the Homemaking Assembly hall under the capable direction of Miss Clarke. Miss Clarke gave the future writers several rules to follow if they were to be successful writers. Among these were:

1. Gathering news
Observing special occasions
Interviewing teachers
Reading news and editorials, or book reviews in other papers.
2. Writing the news on
News stories, leads
Student news (class or school)
Social events
Future events
3. Editing
Making assignments
Copy Reading
Writing Headlines
Preparing Layouts
Condensing to fit space
4. Studying writing
Compare with news and style
Compare with Community paper
Evaluating the current issue

The meetings of the student editors are to be held on the first and third Thursdays of the month. The following girls were present: Ruth Maxwell and Virginia Hare of Lynn; Doris Call, Newburyport; Lena Barbagallo, Eleanor Stevens, Lawrence; Barbara Weston, Harriet Dunkason, Grace Waters, Methuen; Carol Putnam, Danvers; Kathleen McCarthy, Peabody; Natalie Grant, Beverly.

Eleanor Stevens was elected chairman and Harriet Dunkason Secretary.

The meeting on November 2 will be held with Miss Torrey, who edits all the news for the paper. At this meeting in her office there will be a discussion of what should and should not be done.

B. W. and E. S.

GET-TOGETHER COOK-OUT

The first get-together of the Echo Club was held in the form of a 'Weenie' Roast at the Bauer Athletic Field on Monday, September 25, Miss Lovett and Miss Moore were in charge.

There were twelve fireplaces and at each fireplace was a Senior Girl who prepared the food for the twelve girls and an Instructor.

Those in charge of the fireplaces were: June Agersea and Miss Smith; Edith Boissonneault and Mrs. Butman; Alice Cadoret and Miss Moore; Barbara Weston and Miss Harris; Cecile Cheney and Miss Lovett; Olive Judge and Miss McJunkin; Louise Leach and Mrs. Clapp; Elsa Ijunggren and Mrs. Roundy; Mary Maklae and Mrs. Dunn; Ruth Monroe and Miss Wheeler; Muriel Spinney and Mrs. Couhig; Eleanor Taylor and Miss Clarke.

The menu for the roast included 'Weenies' and Rolls, Pickle Relish, Mustard, Health Salad, Samoas and Fruit Punch.

Mrs. Couhig planned many games but the most popular one was skits of Movies and Countries. The countries represented were: England, France, Ireland, Italy, Germany and Russia. The movies: Gunga Din, Snow White, Goodbye, Mr. Chips; Captain Fury, Mutiny on the Bounty, and Jesse James.

The girls returned to their lessons at 1.15 and every one agreed that a good time was enjoyed by all.

C. P. and L. B.

ENGAGEMENTS

Marjorie Loveys of the Class of 1938 is engaged to Irving Day of 2 Dodge Court, Danvers.

Recently a group of Essex Aggie girls of the 1939 class attended a shower held in honor of Jean Knowles '39 of Beverly, who is to be the bride of Phillip Hatch of Beverly.

V. H.

MARRIAGES

Helen Ouelette '38 of Salem was married Saturday, September 30, in Speedway, Indiana, to Constant Bouchard of Topsfield. Mr. Bouchard is employed by the Allison Engineering Co. They will live in Indianapolis, Indiana.

Mildred Humphrey '36 was married in September in Salem to Donald Aylward. They are residing on Liberty street, Middleton, and would be happy to have their friends call upon them.

V. H.

Barbara Haskell '39 was married on Thursday, October 12, to Edward Andrew Lamprey of North Andover. The wedding was held in the Unitarian church in Lawrence, on the 25th anniversary of her parents wedding. After a wedding trip Mr. and Mrs. Lamprey will reside at 11 Railroad avenue, North Andover.

FOOTBALL SCHEDULE

Following is the schedule for the first part of the season:

- Oct. 6 Fore River Apprentices at Essex Aggie.
- Oct. 13 Wentworth Institute at Essex Aggie.
- Oct. 21 Essex Aggie at Andover Academy Jr. Var.
- Oct. 26 Tufts Jr. Var. at Essex Aggie.
- Nov. 3 Harvard Frosh Seconds at Essex Aggie.
- Nov. 10 Essex Aggie at Nichols Jr. College.

CHEER LEADERS

Eight cheer leaders have been chosen in the Agricultural department to lead the Essex County Agricultural School student body in their songs and cheers. They are John Pitchuck of Peabody; Stewart O'Brien, Earl Carpenter, all of Peabody; Thomas Fee, Donald Magee, Ellsworth Tarbox, Kendall Ball of Lynn and Raymond Mizzi of Salem.

GREEN AND WHITE

The first meeting of the Green and White board was held October 10. Among the candidates for editorial positions from the Agricultural department were Robert MacAfee, Salem; Arnold Hebert, Saugus; Donald Herron, and David Irons, Salem; Frank O'Connor, William French, Edward Mitchell, Lynn; Harold Jones, Danvers, Joseph Roche, Marblehead; Thomas Owens, Salem; Martin Sevoian, Methuen, Henry Britton, Byfield.

Business Manager candidates were Robert Bowley of Lynn and Robert Chabot of Haverhill.

Typists, Dorothy McGregor, Boxford and Beverly Sawyer, Marblehead.

IMPROVEMENTS

Striking improvements in the school buildings were noted by returning upper class students. Among these were the new floor and painting of walls and ceiling in the main assembly hall. The gymnasium also came in for redecorating. School and farm buildings were much improved with fresh paint under the W. P. A. improvement project carried on during the past summer.

Another improvement noted is the lengthening of the tennis court to regulation size.

During the next few weeks the service road in the rear of the main buildings will be resurfaced. Car owners will be obliged to park elsewhere during the rebuilding of the road.

C. B. G.

SHADING THE 'MUMS

Shading the 'Mums is practiced by a few local florists in order to make them bloom earlier. The Chrysanthemums are in frames and shade racks are placed over them at 4 P. M. and taken off at 8 A. M. each day. This shortens the light period and the 'Mums are forced into bloom several weeks earlier than if left to nature's whim.

Proper spraying methods with an application of fertilizer at the right time, produces extra large full blooms and healthy, disease free foliage.

The price for the first blooms is \$5.00 to \$6.00 per dozen, for large-flowered types. The potted plants are sold for 75 cents, having two plants, three stems to a plant to one 5 inch pot. There is an average of six blooms to one pot.

H. B.

The first principle of a good campfire is that it should be large enough to cook the meal without being large enough to cook the cook.

AWARDS FOR SUMMER PROJECTS

When the students returned to the school this fall they brought with them the report of the work they had carried on during the summer.

The judges for the Summer Projects were, Mrs. Viola Shute, formerly associated with the 4-H Clubs in the County and Miss Helen A. Walker, present Assistant 4-H County Club Agent.

The awards were made by Miss Moore and Miss Smith at a student assembly on Thursday, September 28.

Following are the awards and the articles for which the students received their awards:

Clothing Awards

Seniors:

- 1st prize, Elsa Ljunggren, Danvers, street dress
- 2nd prize, Olive Judge, Lawrence, house coat and child's dress.
- 3rd prize, Eleanor Taylor, Methuen, evening gown for mother.

Juniors:

- 1st prize, Muriel Pontius, Lynn, tailored school dress
- 2nd prize, Ilene Briggs, Beverly, jumper dress
- 3rd prize, Velma Robinson, Lawrence, cotton dress.

Food and Housekeeping Awards

Seniors:

- 1st prize, Edith Boissonneault, Middleton, cook book
- 2nd prize, Mary Maklae, Peabody, meals at home and restaurant work
- 3rd prize, Ruth Monroe, Lawrence, cooking and care of two boys

Juniors:

- 1st prize, Reina Gumb, Methuen, camp work
- 2nd prize, Muriel Pontius, Lynn, home cooking, with note book in on time with costs and amounts.
- 3rd prize, Dorothy Bozek, Peabody, Frances Calvert, Lawrence, cooking, laundry, housework and employed work.

G. W.

LABORATORY ASSISTANTS

The Laboratory Assistants at the School this year are from the Class of 1939, Lois Edwards is assisting Mrs. Dunn in the Clothing work. Ada Marsland is assisting the Foods department, Edith Sharp was a Foods Assistant through September. Her place is now taken by Olive St. Pierre.

Winter-killing of evergreens is usually caused by lack of moisture, according to the Massachusetts State College horticulture department. Newly set evergreens should be heavily watered until the ground freezes.

To "the Bible, soap, and spinach," this year's typical American mother attributes her success.

CAKE FOR HALLOWE'EN

With Hallowe'en almost upon us, let us think about something for refreshments that may be a bit different from the usual cider, cheese and doughnuts. How about cocoa with a marshmallow floating on top and a square of Molasses Coconut Cake, with an orange frosting.

Esther Belair, a graduate of Essex Aggie and now teaching Foods, in the Extension Foods Classes has given us the recipe for the cake and frosting so we will pass it on to you.

Molasses Coconut Cake

Crean together $\frac{1}{2}$ cup shortening and $\frac{1}{2}$ cup brown sugar, add 1 egg and beat well, mix 1 cup molasses. Sift together 2 1-3 cups sifted cake flour, $1\frac{1}{2}$ tsp. baking powder, $\frac{1}{4}$ tsp. salt and $\frac{1}{2}$ tsp. soda, and add alternately with $\frac{1}{2}$ cup milk to first mixture. Add 1 cup moist cocoanut.

Bake in greased and floured loaf pan 8x8x2 in moderate oven (350°F) 45 minutes.

Frost with orange frosting and top with a few orange segments.

Orange Frosting

Mix in top of double boiler, 1 unbeaten egg white, 1 cup sugar, 3 tblsp. cold water, 2 tblsp. orange juice and 1 tsp. grated orange rind. Place over boiling water; beat with egg beater seven minutes or until thick. Take from fire and stir in 12 marshmallows cut in small pieces.

TURKEY GROWERS BACK BOTH THANKSGIVINGS

The Massachusetts Turkey Growers Association today came out with a new slant on the Thanksgiving situation. "Why argue about the dates," they said. "Let's have both. There's enough turkey to go around and even the football fans would have a double-treat."

This word came from G. T. Klein of Massachusetts State College, extension poultry specialist and secretary of the Turkey Growers Association. He said the Association went on record at its last meeting to this effect.

One purpose of the association is to get the housewives to think of turkey as a year 'round dinner instead of a holiday treat, and two Thanksgivings, a week apart, would be a solid step in this direction.

The total Massachusetts crop this year amounts to 250,000 birds and many of these are already on the market, Klein said. The turkey industry is one of the fastest-growing agricultural pursuits in the state, having made a gain of 400 per cent in production over the past ten years.

KER-CHOO!
or Cold Season Ahead!

Like sneezing, speaking, and singing, coughing is to a considerable degree under the control of the will. One can cough at will, or at least make the attempt. But it is difficult, if not impossible, to prevent coughing when there is irritation in the throat or chest,

A common cold usually begins with a stuffy feeling in the nose, sneezing, and coughing. At the first sign of any symptoms of a cold, one should visit the doctor. Early and skillful treatment will often shorten the period of infection. At the same time it is a wise precaution to take a liquid laxative, and a warm bath before retiring. A longer rest period in bed might serve in dealing with an attack of influenza which usually starts as a severe cold.

Colds in the head as well as influenza, should be taken seriously, and the patient should call the doctor and remain at home, not only for his own welfare and safety, but also to prevent spreading the infection among others. This is also the best way to avoid a chronic cough. If colds and influenza are neglected there is always the danger of infection of one or more of the sinuses. Sinus infection with more or less discharge is usually accompanied by a chronic cough. It is easier to prevent this form of inflammation than to cure it. Sinusitis may be the foundation of a chronic asthma or chronic bronchitis and therefore should always receive careful attention by the doctor.

Colds are communicable and contagious when the body resistance is low. The germ which is a virus may be breathed into the nose or throat passage from the air when you are near an infected person who is talking, coughing or sneezing. Adenoids and diseased tonsils can excite coughing, which is usually worse at night.

It is folly to waste money on patent cough preparations, none of which possess any curative value. The various syrups and cough medicines rarely if ever reach the seat of the disturbance. More often they upset digestion and cause constipation.

The correct method of dealing with a cough is first of all for the physician to find its source or cause, and then prescribe the proper treatment. Coughs must be regarded as an important symptom that cannot be ignored with safety.

Either stop coughing or get sound medical advice and the necessary treatment to relieve it.

If you have to cough and sneeze do it behind a "hank/chief" please.

M. E. Roundy

ALUMNI NOTES

Rose Noonan '31 visited school on October 1. Miss Noonan who is home on a vacation will soon be returning to Miami Beach, where she is employed as Supervisor in St. Francis Hospital.

Irene Burbeck '32 was a visitor at the school in September. She will graduate this month from the Addison-Gilbert Hospital in Gloucester.

Ruth Graf '37 sent a letter to Miss Moore telling of her new position. Her address now is 157 Rochambeau Avenue, Providence, Rhode Island.

Marjorie Stone, Judy Williams and Alice Wojtycka all of the class of 1939, entered the Boston School of Domestic Science in the latter part of September.

Betty Canty '39 entered training in the Salem hospital in September.

Robert Bolcome '33 is caretaker of an estate and resides at 112 Eastern Avenue, Gloucester.

Carlton Brown '32 is a landscape gardener. His home address is Chestnut Street, Lynnfield, Center.

Marion Thornton '38 still lives in Lawrence at 25 Foster Street.

Gertrude Lynch '28 resides at 28 Chapel Street, Gloucester.

Eleanor Hoelzel '38 is working as a cook for Mrs. McKean of Wenham.

Mariam Gagne '35 is employed in the Arlington Mill in Lawrence. Her home address is 6 Windsor Street, Methuen.

Lewis F. Norwood, Jr., '36 is on the Dean's list at Mass. State College, and President of his fraternity, Phi Sigma Kappa.

Robert Lewis '25 has a responsible position with the Davey Tree Experts. His address is 345 Woodbine Avenue, Syracuse, N. Y.

Roger H. Lewis '25 has recently acquired a large farm in West Andover.

Woodbury H. Bartlett '31 has added six acres to his property in Hamilton. He is the owner of the Bartlett Gardens. His brother Robert '33 has been employed there. Howard Wilson, Jr. '38 had his Senior project at the Gardens and has continued to be employed there.

COUNTY FRUIT COMMITTEE

Much has been said over the radio and written in the newspapers the past few days regarding to apple marketing program of the Federal Surplus Commodities Corporation.

If there are any apple growers in Essex County who have not as yet learned of the program, and have surplus apples, they are advised to get in touch with County Agent Fran-

GARDEN CHAT

Only mature vegetables should be stored for winter use. Immature squash and other vegetables will not keep and even though they were used right up, the quality would be very poor. Vegetables diseased or badly damaged from insects would not keep well, hence why take good time to store them. Remember the three essential factors for good storage: ventilation, temperature, and humidity.

With the harvesting of fall crops, why not pull up all the old weeds and put this old vegetable growth along with your beet tops and lettuce leaves, etc., onto a compost pile to rot down. In building a compost pile place a layer of refuse material, a thin layer of lime, a layer of soil, and then repeat the process. Build the pile so, that the sides are verticle, and have a slight dip on the top so that the rain water will soak into the pile and not run off. This moisture will aid the rotting down process. When one has quite a pile of leaves, add them in layers to the pile. About twice a year the pile should be turned over, so that the process of decomposition is hastened.

If one is interested in a hot bed or cold frame, now is the time to be building the frame. Fill the bed with leaves or straw to keep the frost from working into the soil.

Just as soon as a heavy frost kills all sensitive crops, beets will stop growing. These should be pulled and stored away for winter use. Carrots and parsnips will keep right on growing, however, until freezing weather. Parsley roots should be lifted and potted up. A few leaves will come in handy during the winter months for garnishing, etc. Celery should be well banked with soil to prevent freezing, or lifted, keeping the roots on, and stored away in the cellar with soil well firmed about the roots.

G. M. Stearns

Apples are great "mixers" according to May E. Foley, Massachusetts State College nutritionist. They go well in salads and fruit cups, scalloped or fried with different vegetables, or served with meat. They can be glazed in rings and served hot with the main course of a meal, or chilled as a relish for cold cuts of meat or cheese.

cis C. Smith at the Extension office at Essex County Agricultural School, Hathorne or one of the County Fruit Growers Committee.

Those on the committee are: County Agent F. C. Smith; Wallace Standley, 370 Porter St., Melrose; Gilbert Wallata, Chadwick Road, Bradford; and Bradford Webb, Greycroft Farm, Wenham.



4 - H CLUB NOTES



4-H CLUBS ORGANIZE

The great parade of 4-H Clubs in Essex County is on its way. Already many of last year's clubs have been reorganized and several new clubs have started in Rowley, Saugus, Danvers and Methuen.

Now is the time to organize a 4-H Club in your community. There are many reasons for a 4-H Club in your town. Besides the many tangible results that are shown each year by the exhibits and demonstrations, think of the many intangible results in character building and civic traits taught through the medium of their own little club with their own officers.

Essex County has planned a real program for all 4-H Club members and leaders to support the interest in the various projects. Before going further let's view the projects to be carried on in Essex County.

For girls there is Clothing, Food, Home Furnishing; for boys, Poultry, Handicraft, Conservation, Electric clubs and Dairying.

Some of the outstanding events this year in Club work will be, on November 3, 4 and 5 a weekend conference for all men club leaders at Mass. State College. On November 9, a series of County-wide Dairy meetings will start, with Mr. Harley Leland as the main speaker.

December 8, is the date set for our County-wide local leaders meeting at the Essex County Agricultural School. This will be one of the high points of the year featuring Mr. George L. Farley who will conduct a candlelight service to induct the new leaders into the Leaders' Association.

In the spring there will be a county-wide Girls' Day, a Boys' Day and exhibitions of all kinds. Then Camp, one of the finest organized camps is available to all 4-H Club members.

Let's all join in the State's 4-H slogan "Hop-to-it" and organize a 4-H Club.

H. J. S.

BROCKTON FAIR WINNER

Alma Smallwood of Danvers won first prize in Canning Judging at the Brockton Fair this fall. Alma has been in club work for three years, clothing, food and this year in a canning club.

Let us have more next year at all the fairs.

ATTENTION SERVICE CLUBS!

Here are a few more dates of interest for 4-H club folks.

On October 24, the Club Agents will meet with Mrs. Esther Cooley Page at the Norfolk County Agricultural School. New ideas and old ones revised will be brought back from this conference.

November 7, has been set as the date for the Service Club executive meeting. Mr. Brady will be with us to help plan for the year's work. Let's start out well by having 100 percent attendance at this meeting.

The first regular meeting of the Service Club this fall will be held on November 17. New members will be taken in at this time and an initiation program is being planned. A Challenge To Service Club Members!

If the organization is to grow there are some club members eligible for service club membership in your community. Anyone who is 16 years of age and has been in Club work three years will be admitted. Start the enrollment campaign in your town Now! Send in the names to the Secretary, Doris Albrecht, 115 Main Street, No. Andover or to the County office.

Helen A. Walker

ALUMNI AND THE FAIR

There seem to be more and more of our alumni who have outstanding exhibits at Topsfield Fair each year. This holds true in the fruit department. One of the judges who came from out of the County said that the fruit exhibit at Topsfield was far better than any other fair in the state.

Robert Corneliusen and William Corning are at the Norris Orchards and they had a large display and several ribbons were awarded them.

Charles Mahoney showed some of the fruit from the orchard that he has been working on in Methuen.

Melville G. Grey won several prizes with his fruit from his farm known as Greycroft Farm.

Edward Batchelder had the stand with the bees and the honey.

Leon Ellis of Ellis Orchards had one of the loveliest exhibits, he is a member of one of the short unit courses.

Then there was Archer Pierce a former student who now has Brooksbys Orchards and won the sweep stakes.

In fact nearly every farm fruit, vegetable, poultry or dairy had at least one representative of Essex Aggie working there, either as owner or student help.

REPORT OF STATE BOYS' DAY

Fifteen Essex County boys comprising five judging teams participated in the first State-wide 4-H Boys' Day at the State College, October 7.

The program included judging contests in Dairy, Poultry, Garden, Handicraft and Conservation. The boys then toured the College campus and witnessed an excellent football game between Bowdoin and Mass. State. This was followed by a banquet at the Lord Jeffery Hotel.

The great moment to everyone of the 150 boys present came when they announced the awarding of prizes. When the applause ceased it was learned that Hampden County had won the Bowditch trophy for winning the highest scores in all of the contests in fact Hampden County won every contest. Their table was literally covered with trophies and medals.

Essex County came in fourth out of the ten counties participating. Those taking part in the contests from Essex County were: Gilbert Merrill, William Colligan, Bennett Kilnan all of Danvers; Boyd Barrett, George Hoffman, and William Goss, Donald Metcalf, Saugus; Leonard Marble, Haverhill and Clyde Crofts, Danvers; Donald Atwood, Haverhill, Lyman Orcutt, Robert Woodworth of West Newbury; Raymond Stewart, Ralph Gordon and Richard Culbert of Groveland.

The boys had a grand time and all brought back a great deal of enthusiasm for club work this year and a determination to win the contests next year.

H. J. S.

REVISED COURSE

The Massachusetts State College Extension Service is now revising the correspondence course in commercial floriculture, according to Clark L. Thayer, State College floriculture department. The course is designed for persons who are unable to take resident courses at the college, but who wish to learn about the latest practices in raising flowers for market.

The State College offers a number of other correspondence courses. A complete catalog of correspondence courses offered by the Office of Correspondence Courses, Mass. State College, Amherst, Mass.

ESSEX FARMER AND HOME MAKER

VOL. 21

HATHORNE, MASS., NOVEMBER, 1939

NO. 11

Plans For Graduation

The plans for the Graduation of the Class of 1939 are nearly completed. As usual the exercises will be held in the Peabody Institute in Danvers, at two o'clock on Tuesday, November 28.

There will be music by the School orchestra and the Glee Club. The guest speaker will be Commissioner of Education for Massachusetts, Walter F. Downey.

Students who have graduation essays will be Gladys Cranton, Ada Marsland and Martha Wieland in a triologue. Their subject will be "Summer Project Work."

Conrad Nollet and Roger Coleman from the Agricultural department will take for their subject "What the Consumer should know about Eggs." Nollet will explain what a poultryman calls a fresh egg while Coleman will explain their nutritive value. Their talk will be illustrated with charts and equipment.

David Foss, President of the Graduating Class will present the class gift while Director Fred A. Smith will present the prizes to the various students winning same. Nathan Hale, President of the Alumni will present the Alumni prize and Melville G. Grey, a graduate of the School and now President of the Board of Trustees will award the diplomas to the graduates.

CHRISTMAS NARCISSUS

The following article was sent us the other day by Prof. Arnold Davis, Horticultural Specialist at the Massachusetts State College and as many of us are interested in beautifying our homes during the holiday season, we are printing this so that you too may have lovely blooms at Christmas.

"You may desire to grow your own flowers for Christmas, and paper white narcissus may be depended upon for very satisfactory results. Get your bulbs from a reputable source, making sure that they are firm and of good size.

Any container that is deep enough to hold an inch or more of pebbles will be satisfactory. There are a great many inexpensive bowls on the market, both glass and of the old chipping bowl type, which make attractive containers. And of course metal is a good container. A brown, grey, or greenish shade of bowl is usually more interesting than those of other

Farmer Degree To Gilbert Freeman

Many honors have come to Gilbert Freeman of Beverly and a graduate of Essex Aggie with the Class of 1937, the latest is the awarding of the American Farmer Degree at the National Convention of the Future Farmers of America held last month in Kansas City.

Freeman is the second Massachusetts boy to receive this national recognition. Last year Ernest Thayer of Danvers, received the degree.

His record of achievements in vocational agriculture and in the F. F. A. activities is well known throughout the state. His connection with the Future Farmers of America dates back to September 1933 when he entered Essex Aggie. He immediately became active in Essex Chapter activities, served the local and state chapters as secretary and reporter and participated in local and state judging. He was chosen the outstanding poultry boy in the Northeastern States by the Poultry producers Council.

While at school Gilbert Freeman was awarded the Balfour prize for scholarship, loyalty and achievement, and was one of the graduation speakers. His latest honor is awarded to only one in 1000 and was the only Massachusetts member who received this award this year.

Since graduation from Essex Aggie, Freeman has carried on a very successful poultry business.

The fact that you have a glass of orange juice at breakfast is no reason for skipping "your apple a day," according to the Massachusetts State College department of home economics. For oranges and apples supply wholly different needs in the human diet.

colors. Fill the container nearly full with small quarter to half inch pebbles. Other materials such as beach stones, small stones from the yard, trap rock of small sizes, shells, etc., may be used.

The bulbs should be pressed firmly into these pebbles and the pebbles covered with water. You only need to keep the water over the pebbles. Some people prefer to plant the bulbs in the dark and then bring them out to the light. Others have had fine results in planting them and watching them develop in the room. Bulbs to be forced for Christmas should be planted not later than November 20 and should be in blossom for the Christmas holidays.

What's Your Program?

Now that the Boston Book Fair has come and gone, Education Week has been duly observed, and Book Week has passed, surely you have scheme of reading planned for the coming winter's evenings. Do you choose to travel first? Perhaps some books of the far northern climes will help you to appreciate the warmth and coziness you possess in New England. Try "The Lure of Alaska" by Harry Franck and you'll decide right away it's a true "Franchian" volume. "Iceland, First American Republic" by Stefansson presents a different picture of this northern island than most of us have. With present conditions existing in Europe surely you'll not pass by "Finland, the New Nation" by Agnes Rothery. Both the subject and the author have a magnetic appeal today. If you prefer a more centralized area, "Charleston, Historic City of Gardens" by William Stevens, or "The Romantic Cities of California" by Hildegarde Hawthorne brings the reader into his own country.

If you're interested in yourself and your own well-being "Two Lifetimes in One" by Marie Ray and "Personal Power Through Speech" by Sarett and Foster should give plenty of helpful material and much food for thought. I can't pass this type of book without mentioning Dudley Morton's "Oh Doctor! My Feet". Do read it.

If your mind takes an historical trend you'll enjoy "The Dutch Country" by Cornelius Weygandt. It is filled with the quaint customs and the interesting handicrafts of the Dutch in Pennsylvania, "Traders' Dream" by R. H. Mottram is a splendid narrative of the British East India Company. It depicts adventure and glamour galore—but if such efforts existed today in order to make the traders' dream" come true, it would be called graft. Something entirely different is offered in "The Danube" by Enid Lengyel for it includes much folklore and legendary history. "To the Lost World" by Paul Zahl is a narrative filled with varied interest with its beautiful descriptions of the lost world on Mount Roraima and the search for giant ants.

And what is new in Fiction? If you like a river and life along its banks, if you can appreciate its fascination to man even though its floods may cause him heartbreak and misery then read "Again the River" by Stella

(Continued on page 2, col. 1)

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HATHORNE, MASS.

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WHAT'S YOUR PROGRAM?

(Continued from page 1)

Morgan. A sort of modern Robin Hood is the chief character in the mystery tale, "Challenge Blue Mask" by Anthony Morton. "Lady with Jade" by Margaret Mackay is a novel of China and the Eastern setting permeates the book as the author sets forth her theory "there is nothing so perfect as jewel jade". Just by way of a good ending, read "Paul Revere Square" by Louise Kent to remind yourself there are people with charming manners right here in America.

Verna L. Clarke,
Div. Head, Academic Dept.

BIRTHS

On October 23, Rosalie Ann, was born at the Beverly Hospital, her parents are Instructor and Mrs. Carlton M. Stearns.

Eleanor Metcalf, arrived on July 19, her parents are Instructor and Mrs. Ellery E. Metcalf.

Forrest Haynes '35 called at the School a few weeks ago and informed us that he and his wife nee Lucille Lagasse '34 have a daughter Claire, who was born December 12, 1938.

LIST OF GRADUATES

The following will receive diplomas or certificates at the graduation. Those who have taken the regular three year course in the Homemaking Department will receive a diploma while those who were graduates of high schools and took the one year course for high school graduates will receive certificates.

Candidates for Diplomas, Agricultural Department: John G. Balzarini, Rockport; George M. Burkhardt, Ernest Campbell, Methuen; Roger W. Coleman, Beverly; Arthur J. Connell, Lynn; Robert C. Craven, Methuen; Alden E. Crosby, Beverly; Thomas Dederian, Methuen; Nicholas DiLisio, Swampscott; John H. Draper, Peabody; David P. Foss, Essex; George Georgantis, Lynn; Aubert S. Giles, Danvers; Richard G. Goodale, Middleton; Albert E. Greenaway, Marblehead; John J. Hctor, Middleton; Peer P. Johnson, Jr., Beverly; Andrew W. Kelley, Nahant; Paul E. Kelley, Lynn; Barbara S. Metzger, Lynn; Earl G. Nicholson, Methuen; Conrad J. Nollet, Andover; Richard A. Paulsen, Lynn; Raymond O. Pead, Danvers; Albert P. Rock, Newbury; Joseph P. Ryan, Lynn; Chester N. Silva, Rockport; Robert W. Spencer, Danvers; Howard W. Stone, Methuen; Arthur G. Walker, Danvers.

Candidates for Diplomas, Homemaking Department: Athalie J. Adams, Rowley; Mary E. Anderson, Peabody; Lois M. Archambault, Methuen; Mildred A. Burke, Methuen; Frances A. Gangi, Lawrence; Lucy S. Grover, Salem, Marie L. Jacques, Salem; Helen V. Lambert, Lawrence; Ada F. Marsland, Methuen; Helen Moore, Salisbury; Wyota M. Purington, Rowley; Grace M. Raimey, Methuen; Olive V. St. Pierre, Salem; Edith E. Sharp, Methuen; Patricia J. Sheehy, Peabody; Edith M. Skidmore, Lynn; Williamena A. Smolak, North Andover.

Candidates for Certificates, Homemaking Department: Helen C. Andrews, Essex; Barbara B. Bacheller, Lynn; Mabel A. Bartlett, Salisbury; Marion J. Bell, Methuen; Audrey L. Boisvert, Beverly; Hilda M. Brown, Peabody; Janice G. Brown, Salem; Marion L. Buckley, Beverly; Nathalie F. Burnham, Essex; Eleanor L. Buswell, Salisbury; Betty A. Canty, Salem; Ellen A. Casey, Beverly; Ruth M. Cheney, Peabody; Doris Clay, Wenham; Marjorie B. Comer, Salem; Gladys J. Cranton, Haverhill; Olive N. Croteau, Salem; Ruth H. Durkee, Danvers; Lois J. Edwards, Beverly; Ruth E. Eustace, Ipswich; Muriel E. Evans, West Newbury; Katherine E. Foster, Beverly; Paulene A. Frost, Lawrence; June M. Greenough, Beverly; Barbara Haskell, Beverly; Ruth E. Kelleher, Lawrence; Jean L. Knowles, Beverly; Gertrude C. LeBlanc, Peabody; Dorothy M. MacDonough, Beverly; Mary E. McGrath, Peabody; Alyce R. McLeod, Salem; Helen M. McNeil, Salem; Eileen M. Menard, Lawrence; Bernice B. Moo-

ESSEX COUNTY POULTRYMAN WINS HONORS

Last year, to the best of the writer's knowledge, Mr. Andrew Pendleton of Ballardvale was the only breeder in Essex County, competing in an egg laying contest. He had a pen in the Storrs contest at Connecticut State University, the oldest contest in the country, and the one to which the greatest distinction in winning is attached.

In placing fifth in Rhode Island Reds and tenth in the entire contest of one hundred pens, he made an excellent showing in his first year of competition. This is particularly significant in view of the fact that many famous breeders such as Farmer, Warren, Treadwell, Crooks, Kauder, Hanson and Dryden (to mention a few) have competed for many years.

Two or three years ago, Mr. Pendleton decided that he would start flock improvement through trapnesting and pedigree work. The writer has had the pleasure of working with him since that time in helping to set up a breeding program and to select breeders and contest pen entries. Much progress has been made since the inauguration of the trap nest work, so that last season Mr. Pendleton was able to use in flock matings males from dams whose production in no case was less than 250 eggs. During the past year there were eight or nine birds that exceeded 300 eggs, and a very satisfactory percentage of birds under traps that exceeded 250 eggs per bird.

By the use of old breeders this poultryman is seeking to build up livability in the laying house, recognized as one of the weakest points in poultry husbandry, and some of the fruit of his labors were realized at the Storrs contest where not one of the thirteen birds entered died during the year. This is a fine showing when one realizes that contest losses average about 25% of all birds entered, and that something like 80% of the entries had losses during the year.

Mr. Pendleton is to be congratulated on his fine showing and poultrymen in the county will be following his birds at Storrs again this year with special interest.

J. Stanley Bennett

dy, Methuen; Marie E. Newhall, Peabody; Marie E. Nystedt, Marblehead; Agnes A. Otto, Methuen; Ruth P. Ricker, Rowley; Bertha F. Robblee, Salisbury; Barbara R. Roberts, Lawrence; Bertha A. Rosum, Beverly; Marjorie H. Sheppard, Ipswich; Marion B. Stancombe, Lawrence; Mari-beth L. Stokes, Lynn; Marjorie Stone, Marblehead; Gloria Van Dine, Beverly; Ann E. Walsh, Beverly; Mary E. Webber, Salem; Martha F. Wieland, Methuen; Judith A. Williams, Beverly; Alice I. Wojtycka, Lawrence; Beatrice L. Woodworth, Danvers.

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

NOVEMBER, 1939

STUDENT EDITORS

Homemaking Department
Lena Barbagallo '41
Doris Call '40
Louise Dumas '41
Harriet Dunkason '40
Natalie Grant '40
Virginia R. Hare '40
Ruth Maxwell '42
Kathleen McCarthy '40
Carol Putnam '40
Eleanor Stevens '40
Grace Waters '40
Barbara Weston '40

Lawrence
Newburyport
Beverly
Methuen
Beverly
Lynn
Lynn
Peabody
Danvers
Lawrence
Methuen
Methuen

ECHO CLUB INSTALLATION

On Wednesday, October 11, the installation of the Echo Club officers for 1939-1940 was held at an assembly of the Homemaking Department. The newly elected President, Eleanor Taylor was installed by the retiring President, Grace Rainey; retiring Vice President, Lois Edwards lighted the candle for the new Vice President, Frances Calvert; newly elected Secretary, June Agersea, gave her pledge of faithful duty as Elsa Ljunggren retired, and Treasurer Mary Maklae was installed by Edith Sharp, the retiring Treasurer.

The chairman of the various committees then, in turn, lighted their candles and made their pledge of service for this year. Those included: Doris Call, chairman of the Budget committee; Marie LaBelle, chairman of Service committee; Muriel Pontius, chairman of Program committee; and Muriel Craven, chairman of Athletic committee.

At the close of the service the student body rose and gave the Echo Club pledge under the leadership of President Eleanor Taylor.

H. A. D.

CHEER LEADERS

Nine cheer leaders have worked hard during the football season to direct the girls in the Homemaking department in their cheers at the various football games.

The list of leaders follows: Alice Cadoret, Velma Robinson, Lawrence; Virginia Hare, Ruth Maxwell, Lynn; Muriel Craven, Bertha DeLuca, Claire Burgess, Methuen; Patricia Kelleher, Beverly; Rita Hitchcock, Danvers.

C. B. P.

GYMNASIUM CLASSES

The girls have already started the point system. The point system is used to find who are to receive letters. The girls have done high jump,

GIRLS GLEE CLUB MEMBERS

The Essex Aggie Glee Club has been organized. Among the members are forty-seven girls.

Rehearsals are held twice a week in the Assembly Hall in the main building. The selections include parts for both soprano and alto voices.

The vocal selections that are to be sung by the Glee Club for Graduation, November 28 include, "Holiday" by Louise Ganne; "My Dream is of an Island Place", by Noble Cain.

Those in the glee club are as follows, Sopranos: Ruth Bessom, Ann Foley, Patricia Kelleher, Mafalda Fusco, Pauline Hudson, Amelia Plummer, Eleanor Stevens, Rosamond Coughlin, Ruth Jackson, Ruth Maxwell, Adelaide Webb, Edith Boissonneault, Alice Cadoret, Eleanor Taylor, Barbara Weston, Edna Hughes, Dorothy Bozek, Constance Conant, Mary Johnson, Velma Robinson, Elizabeth Whalen, Eleanor Annis, Doris Gaudette, Ada Fothergill and Betty Johnson.

Altos: Marjorie Coughlin, Virginia Hare, Dorothy Howarth, Claire McMahon, Barbara Phelan, Ernestine Lawrence, Virginia McCarthy, Carol Putnam, Grace Waters, Cecile Cheney, Amy Andrews, Reina Gumb, Mona Devitt, Ruth Maxwell, Elaine Rainville, Catherine Cahill, Betty Kirwin.

L. B.

CLUB ACTIVITIES

On October 14, Miss Lovett, Miss Smith, Eleanor Taylor, June Agersea, Mary Maklae, Phyllis Cook and Frances Calvert attended a meeting at Framingham Teachers' College as representatives of the Echo Club. At 10.30 all of the people that attended this meeting met for a welcome given by Miss Lucille French, State Advisor of the Home Economics Clubs in the state of Massachusetts. The presidents of the clubs represented told what her individual club had planned for the coming year.

At noon the Framingham Club served the lunch. The tables looked very attractive with their Hallowe'en decorations.

Miss Barbara Norton of Regis College gave a very interesting talk on her trip to San Antonio, Texas. After lunch a style show was given and also a demonstration on how to apply makeup properly.

N. G.

broad jump, baseball throwing and track. They will soon start basketball, mat work, horse, and perhaps later on tap and ballroom dancing.

C. B. P.

MUSICAL NOTES

The newly formed band of the Essex County Agricultural School has been practicing hard to better their music for the Aggie football games. Their rehearsals have been held every day before classes and during the lunch hour. The band was to make its first appearance at the Essex Aggie-Tufts Jr. Varsity game on October 26th, but due to inclement weather they were unable to play. They played at later games and at the "pep" meetings held in the assembly hall previous to the day of games.

The band is under the direction of Instructor C. M. Wood and James N. Cole, Assistant Athletic Coach.

The orchestra is also rehearsing faithfully in preparation for the annual graduation exercises of the school to be held on Tuesday, November 28.

Many of the boys of the school along with the girls of the Homemaking Department are showing much enthusiasm in musical activities.

Members of the Band are: Leader, John Fitchuk, Peabody; Trumpets, Robert Bertram, James Fury, Thomas Owens, Salem; Trombone, Charles Bruno, Methuen, Harold Cummings, Wenham; Saxophone, James Horgan, Danvers; William Robinson, Rockport; Flute, Robert Meier, Lawrence; Drums, George Hoffman, Saugus, Albert Frederick, Andover, Franklin Barlow, James Anderson and James Malley of Methuen.

Orchestra members are: Pianists, Ruth Maxwell, Lynn, Agnes Martin, Beverly; Drums, Natalie Grant, Beverly; James Malley, James Anderson, Methuen; Violins, Howard Bacon, Lynn, Edward Mitchell, Lynn, Winston Morse, Salem, Mary Hayes, Beverly; Clarinets, Dorothy Livingston, Methuen, John Fitchuk, Peabody; Flute, Robert Meier, Lawrence; Hawaiian Guitar, June Afersea, Saugus; Banjo, William French, Lynn; Trombones, Harold Cummings, Wenham; Charles Bruno, Methuen; Saxophone, James Horgan, Danvers.

K. McC.

AT HOME

In observance of Education Week the Homemaking Department held an "At Home" Wednesday afternoon, November 8, for the parents and friends of the student body. Tea was served and the new silver service was used. During the afternoon many parents visited the classes which were in regular session.

Elsa Ljunggren and Eleanor Taylor poured while representative members of the student body served. About eighty-five parents accepted the invitation and spent a pleasant afternoon at the school.

STATE F. F. A. MEETING

As we go to press the final plans are being made for delegates of the local chapter of F. F. A. to attend the annual meeting and judging of the State F. F. A., on November 17, at Amherst.

Five delegates, one from each class will be sent by the E. F. A. to represent the Essex Chapter in the general meeting. These delegates are David Irons, a senior and Chapter President; James Malley, a junior; Robert Gagnon, four year sophomore; Joseph Mizzi, three year sophomore; and Franklin Barlow, freshman.

The whole group of students will attend in a body the banquet given for the F. F. A. Friday night, after the banquet the official delegates will meet to transact the business of the F. F. A. for the coming months.

This year the Essex Chapter of F. F. A. membership is the largest it has ever been with a total of 209 members.

Donald Herron
F. F. A. Reporter

CHRISTMAS DECORATION SHOW

The annual Christmas Decoration Show sponsored by the Floriculture Club of the F. F. A. and the Echo Club of the Home-making Department will be held at the School on Friday, Saturday, Sunday and Monday, December 15, 16, 17, and 18.

Henry Lay of Merrimac is the general chairman and manager of the Show and he and his committees are planning another show of outstanding beauty.

As usual they are planning to have an entertainment on the opening night of the show with music by the students and some one of note to speak on Christmas decorations around the home.

As well as a show which gives to those attending an idea of how they may use Christmas greens for decorating purposes, and also of the work of the students participating there is always an opportunity for those who wish to purchase wreaths, centerpieces, etc., or place their order for delivery in time for the holiday.

The Floriculture Club at their last meeting elected the managers for the coming shows, namely the Spring Flower Show, to be held at the time of Famrers' and Homemakers' Day in March, with Henry Cecelski of Salem, as chairman; the Fall Flower Show, October 1940, with E. Peter Venti of Danvers as manager.

They also voted to participate in the House Plants Exhibit at the New England Spring Flower Show held in Mechanics Building in Boston in the spring of 1940. Following is the committee: Robert MacAfee, chairman; Robert Bowley, William French, John Wadsworth, Arnold Hebert, Edward Mitchell, Frank O'Connor and Robert Sprague.

FRESHMEN TENNIS TOURNAMENT

The 1939 Freshmen Fall Tennis Tournament was won by Warren Gauthier of Andover over Phillip Parker, a Peabody boy and a left hand player, by scores of 6-3 and 7-5.

The tournament created much interest and was conducted by James N. Cole, assistant coach at the school.

The summary: Warren Gauthier of Andover defeated Richard Snow of Gloucester, 6-3, 6-2; Leo Giardino of Saugus defeated Irving Barter of Beverly by default; William Keith of Andover defeated Robert Anderson of Gloucester, 6-0, 610; Raymond Mizzi of Salem defeated Arthur Nicholson of Methuen, 6-1, 6-3; Harold Kelley of Beverly defeated Harold Cummings of Wenham, 10-8; 6-4.

Edward Lynch of Lawrence defeated Robert Bertram of Salem, 6-2, 6-4; Phi Phillip Parker, Peabody defeated Julian Wojtunik, Salem, 6-0, 6-0; Warren Gauthier defeated Leo Giardino, 6-4, 6-4; William Keith defeated Raymond Mizzi, 6-4 and defaulted 2nd set; Harold Kelley defeated Edward Russell by default; Phillip Parker defeated Edward Lynch, 6-3, 6-0; Finals, Warren Gauthier defeated Phillip Parker, 6-3, 7-5.

James N. Cole

TENNIS TOURNAMENT AT ANDOVER

On November 2, the Essex Aggie Tennis team went to Andover with the following results:

Singles
Andover Essex
Richardson, Gauthier 6-1, 6-1
Peck, Parker 6-3, 6-3
Heiner, Keith 6-0, 6-2
Osborne, Landry 6-0, 6-2
Doubles
Freese and Childs, Landry and Childs 6-2, 6-2

Drake and Floury, Ambrefe and Miss McGregor 6-3, 6-0

Instructor George Cooley and James N. Cole have had charge of the tennis work this year.

GREEN AND WHITE

The November issue of the Green and White will make its appearance just before Graduation day. This issue has been dedicated to Walter F. Downey, Commissioner of Education for this State and the contents of the magazine will be up to the standard set in past years.

The Green and White enters its nineteenth year as the first issue was published in March 1921. Past copies of the magazine have been bound and in this way the record of student activities over a long period has been preserved.

FOOTBALL

The Essex Aggie football team of 1939 ended a fairly good season with a record of two wins, two scoreless ties, and two losses. The summary: Oct. 6—Essex Aggie 2, Fore River Apprentices 34

Oct. 13—Essex Aggie 0, Wentworth Inst. 0

Oct. 21—Essex Aggie 7, Andover Academy Jr. Var. 6

Oct. 26—Essex Aggie 0, Tufts Jr. Var. 0

Nov. 3—Essex Aggie 7, Harvard Frosh 0

Nov. 10—Essex Aggie 0, Nichols Jr. College 13

The squad:

L. E. Warren Brown, Salem; Donald Herron, Salem

L. T. Paul Goodale, Middleton; Preston Lee, Peabody

L. G. Charles Gibbs, Saugus; Charles Bruno, Methuen

C. Robert Conway, Peabody; Robert Jackson, Methuen

R. G. Robert Sprague, Peabody; Irving Barter, Beverly

R. T. Algerd Ramaika, Haverhill; Victor LaBranche, Haverhill

R. E. Edward Lynch, Lawrence; John Fitchuk, Peabody

Q. B. Raymond Mizzi, Salem; Arthur Nicholson, Methuen

L. H. B. Harold Pierce, Marblehead; Burton Smith, Haverhill

R. H. B. Leo Giardino, Saugus; Ellsworth Tarbox, Lynn

F. B. Harold Kelley, Beverly; Harold Raynor, Danvers

Subs: Frank O'Connor, Lynn; George Banks, Saugus; Kenneth McBride, Beverly; Stewart Chase, Peabody; Edward Moran, Lynn; Robert Bertram, Salem; Thomas Miller, Lynn; Phillip Parker, Peabody.

The Aggies have had a good athletic program having a tennis team and a cross country track team. Although not winning all their games, these teams showed plenty of spirit and show very good promise for next year.

H. T. Cecelski

ESSEX CHAPTER WINS RECOGNITION

The National organization of F. F. A. has notified the Essex Chapter of an award of Honorable Mention together with a \$15 cash award in recognition of their participation in the National Contest.

F. F. A. NOTES

John Balzarini, president of the Class of 1939 and Massachusetts delegate to the National Convention, Future Farmers of America, gave an interesting account of his trip before a general meeting of the Essex Chapter on November 1.

Balzarini has prepared a written report of the Convention which will appear in the F. F. A. section of the Green and White.

REPORT OF ADVISORY COUNCIL

The second meeting of the Advisory Council met at Essex County Agricultural School, November 9. Luncheon was enjoyed in the faculty dining room of the School, with twenty-five present.

Following lunch the group adjourned to the Agricultural Building where a business meeting was held with Mrs. Arthur Olson, chairman, presiding. Plans for spring classes were discussed as well the reasons for the lessening in attendance in the present classes. Mrs. Ruth Morley, child specialist from the State College Extension Extension department was present and spoke to the group.

Those who attended were: Miss Marion Parker, Beverly; Mrs. Robert Little, Boxford; Mrs. Charles Kearns, Danvers; Mrs. George Jones, Essex; Mrs. James Benhame, Gloucester; Mrs. Frank Spofford, Groveland; Miss Pauline Goodhue and Mrs. Charles Canney, Ipswich; Mrs. Richard Costello, and Mrs. Walter Dean, Lawrence; Mrs. Arthur Olson, Manchester; Mrs. H. M. Richardson, Middleton; Mrs. Bertram Savage, Newbury; Mrs. Jerome Hardy, Newburyport; Mrs. James McNiff, Peabody; Miss Clara Kearney and Mrs. Ernest Jorgenson, Swampscott; Mrs. Percy Smerage and Mrs. John Tobey, Topsfield; Mrs. Carl Dodge, West Newbury; Mrs. Mary M. McIntire, Home Demonstration Agent; Mrs. Mary Roundy, R. N. and Miss Esther Belair, teachers of extension classes; Miss Helen Walker, asst. 4-H Club Agent and Miss Madeleine R. Torrey.

The next meeting of the Council will be held on January 10 at the School.

SCIENCE EXPOSITION

The 15th Annual Science Exposition is now being held at Essex County Agricultural School. As the results of the judges have not as yet been made known we will have to print the list of winners in the next issue of the Farmer and Homemaker.

As usual the Exposition has many outstanding exhibits. The walls of the assembly hall are lined with them and in the gymnasium there are some large exhibits. One that shows up from all entrances is a display of the arrangement and display of flowers by the only girl in the advanced classes in Agriculture, Dorothy McGregor.

One of the students is interested in Pigs and he has a very large exhibit showing that cross-bred pigs are superior to purebreds for market purposes. With models he shows that crossbred sows farrow and raise larger, more vigorous litters than do purebreds. Also he shows that the crossbred pigs grow faster and make cheaper gains than do the purebreds.

MARY GREEN'S BUNS

At this time of the year we are thinking, thanking and giving. I want to give to you a gift from my summer's gleanings, the humble story of Mary Green and her gift to the world.

Mary Green was born many years ago and at an early age went to an Old Time Essex County Family to cook. She spent her whole life just cooking day after day.

A modern writer stated, "If you bake bread with indifference, you bake a bitter bread that feeds but half man's hunger". Mary Green baked bread with all her heart and soul and it fed the whole of her family's hunger. When she died her employer put a plaque on the wall of the church she attended, as a memorial to her and her life long service as cook. Her gift to the world consisted of a few recipes, and the best is the one for buns.

Mary Green's Buns

3 cups scalded milk, 1 cup sugar, 1-2 yeast cake dissolved in 1-4 cup luke warm water; 3 cups bread flour.

Mix the scalded milk with the sugar and allow to cool. When lukewarm add the dissolved yeast cake and flour. Stir until well blended. Cover the mixture and let stand over night.

In the morning add the following ingredients and mix thoroughly 1 cup melted butter or substitute, 1 1-2 cups sugar, 2 eggs well beaten,, 1 cup raisins, 1-2 teaspoon nutmeg, 1 teaspoon cinnamon, flour sufficient to make dough stiff enough to roll.

Roll dough on well floured board. Roll to 3-4 inch thickness. Cut dough with a round biscuit cutter. Place buns on a greased baking sheet.

Cover and let rise. Brush buns over with egg-white. Bake at 425 degrees Fahrenheit. Yield 48 buns.

After eating these buns you will understand why Mary Green's employer gave the memorial.

Harriet M. Butman,
Instructor of Foods

One of the Seniors has an exhibit entitled "Pasture Milk is Profitable Milk." Another student has an exhibit showing milk being pasteurized and this exhibit really takes the guess work out of the Raw Milk—Pasteurized Milk controversy.

Then there are the exhibits which are of interest to the Poultryman showing how the Poultry Health can be maintained through Sanitation.

The final event of the Exposition will be the assembly on Wednesday, November 15 when Mr. B. F. Mehaffey assisted by Mr. Cogan will give a demonstration of Liquid Air. These gentlemen are connected with the Air Reduction Co.

GARDEN NOTES

With excellent weather this fall, the gardens have yielded good crops that have been fairly well matured. Growers have also been able to clean up and place weeds and crop refuse onto the compost piles.

Any celery still out in the garden should be well banked up to prevent any freezing. If severe weather should set in, the celery should be lifted and put into a storage cellar, spacing the stalks so as to allow circulation of air, thus preventing spread of disease.

In storing vegetables that require moisture, one would remember to sprinkle water on the floor at frequent intervals. Proper temperatures should be maintained in order to keep vegetables at their best. Generally 38-40 degrees is best for most crops. The third factor that aids in proper storage requirements is ventilation. At this time of the year the ventilators should be kept open during the nights and cool days and closed during warm weather. When more severe weather settles in, the reverse set-up might be practiced,—as opening the ventilators during the daytime and closing at night.

Late planted carrots have grown to medium size even though they had a poor start due to dry weather. One should remember that any vegetable which is average size generally is of better quality. Carrots dug at the School Market Garden have been average size and of high quality. Another vegetable this Fall which seems to be of high quality is squash. They are not too large, of exceptional quality, dry, and are keeping well.

Spinach is very plentiful this Fall and very reasonable in price. Where these vegetables are so plentiful, high in quality and fairly cheap, the housewife should take advantage of these facts and serve them often to their families.

C. M. Stearns

ALUMNI NOTES

Stanley Chlebowski '31 has officiated as referee at the home games of the Essex Aggie football team. Stanley is now employed by the town of Andover.

Stanley Bickford '37 has made recent visits to the School, he has been in Portland, Maine since graduation and expects to return in the spring.

George A. Michelson '33 of Peabody '33 of Peabody is now doing general farming in Hope, Maine and is specializing in Blueberries. His address is R. F. D. 2, Union, Maine.

Alice F. Woodberry '37 graduated on November 8 from the Convalescent Home of the Children's Hospital and is now employed in Newton Centre. Alice's address is 676 Dedham Street, Newton Centre.



4 - H CLUB NOTES



MUSIC IN 4-H

Massachusetts Club members have enjoyed the music program "A Musical Journey Around the World", very much in the past. Now a new one "Adventures in American Music", is about to be launched and it is hoped that interest in music will be both revived and aroused.

Music is used to enrich the 4-H Club program and most clubs include singing in each club meeting. Clubs may be interested in merely correlating music with their regular project work or they may wish to adopt it as a 4-H project.

The following is a suggested program which may be used as a guide for this year's work.

September—October

Choose a song leader
Songs: State 4-H song
Bay State
One other state song

November

Songs: The County Song
The Cape Cod Chantey
Folk Dance: Captain Jinks or The Paw Paw Patch
Composed Selection: To a Wild Rose, MacDowell.

December

Songs: We'll Serve
Christmas Carols
Folk Dance: Virginia Reel
Composed Selection: Largo from New World Symphony.

January

Songs: Dreaming
The Erie Canal
Folk Dance: Quadrille
Composed Selection: El Capitan March, Sousa

February

Songs: The Four Leaf Clover
Jacob's Ladder
Folk Dance: Southern Mountain Dance
Kentucky Running Set
Composed Selection: The Hurdy Gurdy from "Adventures in a Perambulator", Carpenter

March

Songs: Follow the Gleam
The Chisholm Trail
Folk Dance: Captain Jinks or The Paw Paw Patch

April

Song: Lights Out, 4-H
Dramatization of Folk Songs
"Adventures in American Music" is the Massachusetts 4-H program. There is also a National program which will be presented through the year with broadcasts the first Saturday of each month during the National Farm and Home Hour. These broadcasts are presented by the U. S.

BUY ONLY TAGGED CHRISTMAS GREENS

This year the Massachusetts Department of Agriculture is issuing tags to be attached to Christmas trees and Christmas green material which has been procured legitimately.

Reasons for tagging:

1. To help prevent bootlegging and stealing.
2. To protect the taxpayer and to benefit the land owner to get additional revenue from his land.
3. To conserve the fast disappearing varieties of Christmas greens.
4. To prevent wholesale and wanton destruction of Christmas green material.
5. To encourage the reforestation of our woodland.
6. To further the planting of holly, laurel, and Christmas trees, etc., for market.
7. To be in step with other states who are officially tagging Christmas greens.

All tagged greens material will be required to be cut according to good conservation methods; otherwise it cannot be tagged.

The Department of Agriculture has found that people both from Massachusetts and from other states, have been cutting greens material illegally and without authority. To land owners this has meant a tremendous annual loss of material as well as destruction of property. Help us solve this problem.

Tagging Christmas greens will also tend to offset the re-selling of stolen wreaths from doors and other places, where greens are displayed.

All persons selling Christmas greens, may obtain information from the Massachusetts Department of Agriculture, State House, Boston or from their County Agricultural Agents, in each county in regard to obtaining tags.

County Agent Francis C. Smith, Essex County Agricultural School, Hathorne, Mass., has already received tags and anyone desiring tags may obtain them from him.

The public is asked this coming year to buy only tagged Christmas greens.

Marine Band, Capt. Taylor Branson, the leader of this band, is an honorary member of the 4-H clubs.

A complete handbook for leaders on this year's music appreciation program "Adventures in American Music", is ready and may be secured from the County office at any time.

Helen A. Walker,
Asst. Club Agent

LET'S MAKE A BABUSHKA!

Many of the 4-H Club folks know Betty Staples, who taught one of the Hobbies at the Junior Leaders Camp this past summer. Just in case you have not heard of Betty, let me tell you that she is a very peppy young lady, a Junior at the State College and she has earned most of her college expenses by knitting.

She taught knitting as one of the Hobbies and the still popular Babushkas were made. Following are the directions as she gave them.

Three ounces of knitting worsted
1 pair No. 7 needles
1 pair No. 3 needles

On No. 7 needles: Cast on 36 sts. Knit one Purl one throughout. Work for 3 1-2 inches. Change to No. 3 needles and work for 1 1-4 inches. Return to No. 7 needles and work for 20 inches. Work on No. needles for 1 1-2 inches and finish 3 1-2 inches on No. 7 needles.

Fold the strip in half and sew up one side, on the open side crochet 2 button holes on the edge of the No. 3 knitting. With a crochet hook draw contrasting yarn in short loops about 1-2 inch long from the No. 3 knitting around the brim in 5 rows of the pattern.

Sew two buttons on the other side to correspond with the button holes.

TWO 4-H GIRLS AWARDED MEDALS

Word has been received the past week from the State College that two Essex County 4-H girls will receive gold medals.

Alma Smallwood of Danvers, will receive the gold medal awarded to County winners in the National 4-H canning achievement contest conducted for the eleventh season by the extension service.

Audrey Boisvert of Beverly will receive a gold medal for work in 4-H preparation contest. This is the fifth year that the extension service has conducted this contest.

A new research project, set up by the United States Department of Agriculture at Cornell University, will undertake the discovery of new ways of increasing the nutritional value of foodstuffs produced on American farms through studies of soil and crop management, soil types, and plan and animal nutrition. "The time is ripe," said Secretary of Agriculture Henry A. Wallace announcing the project, "for beginning a system of study that will start with the soil and go right through to man."

ESSEX FARMER AND HOME MAKER

VOL. 21

HATHORNE, MASS., DECEMBER, 1939

NO. 12

Graduation In Retrospect

The second largest class to graduate from Essex County Agricultural School held its graduating exercises in the auditorium of the Peabody Institute in Danvers, on Tuesday, November 28. There were 101 members of the class of 1939 who received their diplomas or certificates.

Those who took the full course received diplomas while there were a large number of girls who received diplomas as they were High school graduates and took the special one year course. The list of graduates was printed in last month's issue so we will not repeat.

The guest speaker was Commissioner of Education, Walter F. Downey.

Five members of the graduating class had parts. Ada Marsland, Gladys Cranton and Martha Wieland had a triologue, in which they told about their summer project work and they checked up on some of the work done by some of their classmates during the summer.

Ada had for her project, Cooking at a scout camp at Country Pond in New Hampshire. Gladys was assistant cook at the Whispering Pines Tea Room in Raymond, New Hampshire. Martha Wieland worked as a waitress at the Lawrence House at Hampton Beach, New Hampshire.

Roger Coleman and Conrad Nollet took for their subject Eggs and the Consumer. Telling what the poultryman considers a fresh egg and showing how to candle eggs to determine that an egg is really fresh.

The glee club under the direction of Mrs. N. Woodbury Bragdon and the orchestra under the direction of Instructor C. M. Wood gave several selections.

Director Smith awarded the prizes, the Balfour prizes went to Ada Marsland and Robert Spencer for their high standing in scholarship, loyalty and achievement.

The Krasker prizes went to Aubert Giles and Ada Marsland for their excellence in English.

The Wheaton prize given in memory of Robert Wheaton ex-'36 went to George Burkhardt, while the Alumni prizes went to Frances Gangi and Richard Goodale. This prize is given to the boy and girl who have shown the greatest improvement in academic work while at the school.

David Foss president of the graduating class presented the gifts from the graduates, a section of concrete sidewalk, a silver tea pot to the Homemaking department and a group of books to the Agricultural library.

(Continued page 2, col. 1)

Some Christmas Customs

Christmas time is upon us. We are filled with the spirit of the season. We look forward to days of hospitality and gayety. We decorate our homes with holly and evergreen. We bring in the Christmas tree. We sing Christmas carols and have Christmas candles. We make plum pudding and mince pies. We follow along in the established customs of Christmas year after year originated.

Holly, Evergreen, and Christmas Tree

Since very early times the habit of bringing evergreen into the house has been a way of giving the home a festive air. The use of trinkets on the Christmas tree dates back to the Roman days. The use of Holly originated in England. It was considered an offer of hospitality to the spirits and fairies. Thus developed the habit of placing a spray of holly in the window to attract the good spirits.

A carol is a song in which a religious topic is treated in a festive manner. Christmas is the only festival for which carols have been written. The true Christmas carol comes from Italy, but English and French carols are famous.

Christmas Candles

The use of candles for the Christmas festival is very old and dates back to the Middle Ages. They were used both in the church and home.

Plum Pudding

Originally the plum pudding was a boiled wheat mixture but something new was added each year, an egg, raisins, currants, ginger, prunes and later lumps of English suet were added, and by 1870 plum pudding had been concocted as we know it today.

Mince Pies

Mince pie was made of choice compounds of the East and symbolized the gifts of the Wise Men. As early as 1596 mince pies were popular. There was a saying among our ancestors that a person would have the number of happy months in a year, which corresponded to the number of mince pies tasted at Christmas time.

Abbie Clapp

Fresh air is necessary for the health of houseplants, according to the Massachusetts State College department of floriculture. Open the windows once a day to allow a change of air in the room. Houseplants can stand a temperature as low as 45 degrees without being harmed.

Let's Use More Nuts

Many of us enjoy nuts of various kinds and use them in various ways but I wonder if we realize the value we are getting from them. From these small foods we get a large amount of valuable protein and also a large supply of fat. These two food elements give our bodies energy and tissue building materials. Sometimes comparisons are interesting: 3 walnuts, 15 single peanuts, 2 Brazil nuts, 10 almonds and 5 pecans all of average size are equal in energy value to 2 slices of bread and 1 cup cooked cereal or 2 tablespoons of sugar. This helps us to understand that we really get a lot of additional food value by adding nuts to our cakes, cookies and candies. Yes they make our foods more fattening but on the other hand they are quite rich in minerals which we need so much. Because they are rich in good protein they may well be interchanged in our diet for meat but must never replace milk and eggs which are so full of valuable minerals and vitamins.

Nuts are a hard food and too many people fail to chew them properly. Also they are so concentrated in protein and fat that they should not be put into a stomach already loaded with food. Failure to chew properly and eating at the wrong time have given nuts a bad name—that of being indigestible. This is unfortunate because nuts properly chewed and eaten in moderate amounts and at the right time are an excellent food.

No doubt most people know that peanuts grow below the ground. The flower stalk holding a very young pod gradually curves downward and forces its point into the soil. Here the pod swells and matures. Do you know that Brazil nuts grow on a gigantic tree in Brazil in a hard round shell about five inches in diameter—about 15 to 25 nuts clustered together in one pod? And cashews, that soft sweetish nut which is gaining in favor in this country, grows on the end of a cashew apple. It is a soft shell hanging from the blossom end of these small apples. The apple itself is sometimes eaten cooked or in jam. Pistachio nuts are of a special importance at this time of year because of their greenish color—a grand Christmas garnish.

Salted nuts are usually great favorites and can easily be done at home. I am enclosing two recipes for salting nuts. Method 2 requires more careful watching during the process but I believe they are better for it. Here's hoping you salt some nuts for

(Continued on page 2, col. 3)

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GRADUATION IN RETROSPECT

(Continued from page 1)

these were: Field book of American Wild Flowers; Poisonous Plants in the United States; Listen the Wind by Anne Lindbergh; Alone, by Richard E. Byrd; Trees and other poems by Joyce Kilmer and Collection of Poems by Robert Frost. Arnold Hebert, president of the class of 1940 accepted these gifts on behalf of the student body.

Melville G. Grey, President of the Board of Trustees, presented the diplomas and certificates.

ALUMNI NOTES

Mabel Bartlett '39 is enrolled at the University of New Hampshire, Durham, N. H.

Hilda Brown '39 is enrolled at the Parisian Hairdressing Academy in Boston.

Gladys Cranton '39 is employed by Mrs. Edward Greenwood in North Andover.

Wyota Purington '39 is employed by Mr. Cohen in Salem.

Josephine Riley '37 is a ward maid at the Haverhill Hospital. Agnes Otto '39 is employed at Hiscox in Lawrence.

Bernice Moody '39 is a waitress at Abbott Academy in Andover.

B. W.

SCIENCE EXPOSITION

The fifteenth Annual Science Exposition was so fine and outstanding in the judgement of the judges that it was held over from the 15th to the 19th. So that it was open to the public for a whole week, when several hundred people viewed the splendid work of the boys.

Space will not allow us to go into great detail regarding the exhibits for which the prizes were awarded, the special awards went to Dorothy McGregor, David Irons, Eugene Cobb, Robert Gagnon, Peter Venti. The Sweepstakes prize went to Arnold Hebert for the most outstanding exhibit of the entire show and he also won the five dollars which Mr. Fred Walker of Salem offered for the finest collection of insects and diseases.

First prizes went to Russell Weinfeld, Barbara Metzger, David Irons, Robert MacAfee, Arnold Hebert, Frank O'Connor, Edward Mitchell, Eugene Cobb, George Banks, Warren French, Peter Venti, Dorothy McGregor, John Ambrefe, Richard Peaslee, Harold Raynor, Robert Gagnon, Marvin Williams.

Second prizes to: William French, Howard Bacon, Edward Croteau, and Edward Hull, a third prize to Robert Bowley.

In the Identification contests the sweepstakes medals went to Gold Medal, Martin Sevoian; Silver medal to John Adams; Bronze to Edmond Richards. First prizes to Cristos Mpelkas, Gilbert Fournier, James Anderson, Martin Sevoian, Donald Aldrich, Wilfred Robidoux; others who won prizes in this contest were: Ralph Reynolds, Edward Russell, Theodore Dichirico, Henry Britton, James Boardman, Emile St. Pierre, Robert Chabot, Edmond Richards, William Mahoney, and Robert Spurling.

Medals in the new students exhibits were awarded to Gold medal to Theodore Dichirico, Silver medal to Morton Soiett and Bronze to Cristos Mpelkas.

Other new students who won ribbons were: Chester Tillson, Ralph Peaslee, Robert Condon, Myron York, Robert Coburn, Leon Barlow, Beverly Sawyer, James Chisholm, Raymond Mizzi, Robert Anderson, and William Hawkes.

In the Egg and Dressed Poultry Show which was held by the F. F. A. in conjunction with the Science Exposition the following boys won: Harold Raynor, George Allen, Richard Peaslee, Forrest Reynolds, Wilfred Robidoux, Robert Meier, Robert Smith, Fitch Breenan, Gerard Pelletier, Francis Carey, Maurice Roberts, Robert Anderson, Harold Matses, Rodney Hills, Gordon Pelletier.

MARRIED

Elizabeth Waters, a former student at Essex Aggie was married in October to Edgar A. Gunderson, and is residing at 15 Walnut Avenue, Beverly.

LET'S USE MORE NUTS

(Continued from page 1)

Christmas and once you start you'll want to do them frequently.

Salted Nuts

Raw peanuts with the red skins on are best for salting. Remove red skin by allowing to stand in boiling water for 5 minutes and then rubbing to remove the skins. Almonds are blanched in a similar way. Dry nuts well before salting.

Method 1.

Nuts may be mixed with small amount of oil (1T-1 qt. nuts) spread in a shallow pan and baked 12-15 minutes or until delicately browned in a hot oven. Stir frequently. Sprinkle with salt.

Method 2.

Blanched nuts may be put in sauce pan and covered with oil and cooked on top of stove. Unless nuts are in a colander they must be continually stirred to keep uniform color. Drain well when of desired color, and put on brown paper to absorb extra fat. Salt while warm. This oil may be saved and used for nuts over and over again. Although olive oil is preferred other salad oils are satisfactory.

Different varieties of nuts should be salted separately because they require varying lengths of time to get brown. Pecans require very short time in oven or oil.

Ruth Emerson,
Foods Department

ALUMNI MEETING

The annual banquet and election of officers of the Alumni association was held in the evening of Graduation Day, Tuesday, November 28. There were 185 at the banquet, while many more came for the dancing in the evening.

Nathan Hale, President of the Alumni association, presided at the banquet and introduced the guests who were Director Smith, members of the Board of Trustees, namely, Messrs Melville G. Grey, Frederic Winthrop, Michael McGrath, C. F. Nelson Pratt. Coach Phillip Couhig and Harold Dowding gave detailed reports of the work of the Athletic board.

At the annual business meeting the following officers were elected for the coming year: President Eric Bergstrom '23 of Lynn; Vice-Presidents Helen Andrew '28 of Salem; Ralph Woodworth '19 from West Newbury; member of Executive Board for three years, Harold Dowding '25 of Methuen.

They voted to give \$50 to the Camp Leslie Fund.

About 200 enjoyed dancing to the tunes of Fran Richies orchestra until the small hours.

MARRIED

Jean Knowles '39 was married recently to R. Phillips Hatch, Jr. and is now living at 76 Summit Street, Rockland, Mass.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

DECEMBER, 1939

STUDENT EDITORS

Homemaking Department

Lena Barbagallo '41	Lawrence
Ruth Bessom '40	Marblehead
Doris Call '40	Newburyport
Harriet Dunkason '40	Methuen
Natalie Grant '40	Beverly
Ruth Maxwell '42	Lynn
Kathleen McCarthy '40	Peabody
Carol Putnam '40	Danvers
Eleanor Stevens '40	Lawrence
Grace Waters '40	Methuen
Barbara Weston '40	Methuen

SPORT NOTES

Basketball

The following boys have reported to Coach Couhig for basketball practice: Robert Conway, Robert Sprague and Robert Landry from last year's team and Richard Brown, Eugene Burr, James Chisholm, Leo Giardino, Harold Kelley, Stewart O'Brien, Victor LaBranche, Leo Hunt, Harold Raynor, Burton Smith, William Somers, and Richard Snow.

A schedule of 18 games is being arranged and the boys will play such teams as Wakefield High, Methuen, Punched, Rockport and Hamilton High Schools.

Hockey

Hockey players are practising at Bauer field under the direction of Coach Calton Cartwright and James N. Cole. Seven of last year's squad have reported, they are: Robert Nichols, Robert Gagnon, Edward Wentworth, manager of the team; Nelson McLoon, Emil St. Pierre, Russell Weinhold, and Ralph Wilkins.

New men reporting are Edward Lynch, Robert Meier, Channel Lasonde, George Banks, John Ambrefe, Henry Britton, Warren Gauthier, William Robinson, Horace Luscombe and Arthur Nicholson. Games will be played with Brooks School of North Andover, Marblehead, Danvers and other High schools in this section.

About 25 boys attended the hockey game at the Boston Garden on Saturday evening, December 9, when the Olympics and Lachine clashed sticks. The boys were guests of the management of the Boston Garden and they were accompanied by Assistant Coach James N. Cole.

CLASS OF 1940 ELECTS

The Class of 1940 recently elected their class officers who are: President, Arnold Hebert, Saugus; vice-president, Alice Cadoret, Methuen; Treasurer, William French, Lynn; Secretary, Mary Maklae, Peabody.

A TRIP TO THE FALL FLOWER SHOWS

Howard Bacon, Harold Jones and Peter Venti, three members of the advanced Floriculture class and Instructor H. Linwood White, went to the Fall Flower Shows at the Massachusetts State College, Bristol County Agricultural School and the Horticultural Society Show in Horticultural Hall, Boston, November 10 and 11.

At the State College the show was held in the large gymnasium. Upon entering the building the first exhibit to attract your eyes was the apple-sphere. The surface of the sphere had nails sticking out of it on which were McIntosh apples, producing a striking effect. In front of the sphere was a lawn which was surrounded in turn by a walk and a hedge. Against the hedge every five or six yards were set in Chrysanthemums in groups of three. This exhibit was in the center of the floor, all around the walls were ten by ten feet formal and informal gardens. Among them were some very original exhibits, commercial men's exhibits as well as exhibits of apples and sales booths. There were many types of chrysanthemums and Carnations on display as well as dishes of shrub fruits, such as Snowberry, Barberry, Inkberry, and Bayberry.

One of the features of this show which was of interest to us, was the way they constructed their hedges. For a low hedge long boxes about three inches high and two and a half inches wide were filled with soil, cuttings of the plant were stuck into the soil making a compact hedge. For taller hedges, which were made up entirely of evergreens, frames made of regular chicken wire and wood were used. Cuttings of evergreens were wired onto the chicken wire. This saved material and made an excellent hedge.

The show at the Bristol County Agricultural School, was held in their gymnasium, which is larger than ours here at Essex Aggie. This show was entirely of chrysanthemums which were arranged with evergreens as background. White Pine and Red Cedar were used for these backgrounds and as hedges for some of the displays.

Featured at the Boston Show were Christmas decorations and Chrysanthemums. The Chrysanthemums were grown by gardeners of large estates and commercial growers. The cascade chrysanthemums were used in a fan shaped display. There were also displays of cacti; succulents and house plants, as well as collections of orchids and dish gardens.

WARDIAN CASES

How many know what a "Wardian Case" is? In the late eighteen hundreds a man named Ward, while walking through the woods one day, found a fern growing in a bottle in perfect contentment, while outside there was a blizzard raging.

Thus, the "Wardian Case", which has grown more popular year after year, until today they are widely used under several other names, such as bubble bowls, terrariums, jugs, bottles, and miniature gardens.

With very little effort one of these can be made, using sand for drainage, charcoal for keeping the soil sweet and good fibrous loam. Very little watering is required and a number of tropical, temperate and woodland plants may be used.

A number of scenes can be brought out even to having a little pool with fish in them. For the amount of work involved, they pay for themselves many times over for the pleasure they bring during the winter to shut-ins and garden lovers who cannot afford greenhouses.

Howard Bacon

FALL IMPROVEMENTS

During the fall many improvements have been made about the grounds and in the boys' building. The various barns and buildings have been repainted and the staircases in the agricultural and homemaking buildings have been redecorated.

The service road in the rear of the school has been rebuilt and a concrete walk, one of the gifts from the class of 1939 has been laid, connecting the rear of the girls' school and the service road.

The winter must be on its way for Mr. Hardy has had one of his classes erect the snow fence on the front lawn.

Preston Lee '41

FRESHMEN GIRLS VISIT A LAUNDRY

The freshmen girls accompanied by Mrs. Butman and Miss Wheeler journeyed to North Andover on December 11, to inspect the Meadowbrook Soft Water Laundry. This trip is part of the girls course in house care. The laundry is owned by the father of one of the girls who graduated from Essex Aggie in 1938, Rachel Kruschwitz.

The group not only enjoyed the trip but got many ideas for use in their shows here at Essex Aggie.

Peter Venti

AGRICULTURAL ASSEMBLIES

On Friday, October 20, moving on the "Mortality of the Chicks", were shown in the morning assembly, by the Purina Feed Company. The film was of great value to the poultry students, because it presented to them amazing pictures of hatching chicks, and gave excellent analyses of the egg during incubation. The film was based upon the prevention of Mortality of the Chick, during the development of the embryo in the incubator.

On Friday, November 10, talking moving pictures were shown at the assembly on the uses of Ethyl Alcohol and its effect on human beings when taken internally. The film was produced by the Y. M. C. A. and sponsored by the physical department. This film was produced by the Y. M. C. A. and sponsored by the physical department. This film gave many impressive and stirring examples of alcohol when taken into the human system through liquor, and the harm that results.

On November 15, the Science Exposition assembly was held. The assembly began with a guest speaker, Mr. Mehaffey assisted by Mr. Cogan. They presented some unusual experiments with liquid oxygen. They were followed by Mr. Metcalf, who spoke on the judging of science exhibits, and also told the assembly of his exhibits in the various expositions, including The World's Poultry Exposition this summer at Cleveland, Ohio. The assembly was concluded by Director Smith, who presented the prizes to the lucky students.

Christie Mpelkas '42

OUR CHRISTMAS PARTY

Plans for our Christmas entertainment are under way. This program is being given by the Echo Club on Wednesday afternoon, December 20. The chairman of the committee planning this party is Muriel Pontius of Lynn. The faculty adviser is Miss Constance Lovett. A letter of invitation was written to the boys and their faculty and was read in their assembly by Mr. Mostrom.

As last year we are having the bell ringers from Beverly. We will sing carols and a short play called "Christmas Looking Glass" will be given by some of the Homemaking students. Those taking part are Barbara Weston, Muriel Craven, and Alice Cadoret of Methuen; Muriel Pontius, Lynn; Dorothy Randlett, Andover and Kay Hitchcock of Danvers.

Later the Delma all-girl orchestra will play for dancing which will last until five-thirty. After the party the students will enjoy their Christmas vacation returning to the school on Tuesday, January 2.

R. M.

HONOR ROLLS

The first quarter of the year at Essex Aggie closed in November, report cards have been given out. Those who "made the honor roll" in the Homemaking Department were as follows:

High School Graduates: Doris Call, Harriet Dunkason, Phyllis Gardner, Page Gifford, Joan Manwell, Kathleen Mason, Kathleen McCarthy, Barbara Murray, Ruth Spencer, Gwendolyn True.

Seniors: June Agersea, Olive Judge, Mary Maklae.

Juniors: Dorothy Bozek, Ilene Briggs, Muriel Craven, Reina Gumb, Bernice Marsland, Muriel Pontius.

Freshmen: Eleanor Annis, Rita Hitchcock, Ruth Karlson, and Alice McGinnis.

Those in the Agricultural Department who were on the first quarter honor roll were: Seniors, Arnold Hebert, Edward Mitchell, Frank O'Connor, Joseph Kearney, Robert Nichols, Edwin Wentworth, David Irons, Donald Heron, Martin Sevoian, Russell Weinhold, John Wadsworth, Warren Nelson, Algerd Ramaika, Robert Chabot, Charles Currier, Newton Henriksen, George Pelletier, Stafford Knight.

Juniors: Victor LaBranche, Robert Landry, Dorothy McGregor, Peter Venti, Eugene Cobb, Harold Jones, Warren French, Joseph Scouller, Charles McBride, Howard Bacon, Charles Gibbs, George Banks, Walter Pike, John Adams, Henry Britton, Wallace Kneeland, Nelson McLoon, Emile St. Pierre, Roland LaRochelle, Forrest Reynolds, Ralph Wilkins, John Ambrefe, Warren Brown, Henry Lay and Preston Lee.

Sophomores: Norman Whitten, Robert Bradbrook, Robert Gagnon.

Freshmen: James Boardman, Fred Gott, Gilbert Fournier, Theodore Dichrico, Franklin and Raymond Barlow, Ansel Clarke, and Edward Russell.

High School Graduates: Christy Mpelkas, Ralph Reynolds, Eugene Burr, George Allen, Beverly Sawyer, William Hawkes, Edward Lynch, Robert Smith, Joseph Mizzi, James Chisholm, Robert Anderson, Jewell Currier and Leo Giardino.

N. E. G.

JOINT ASSEMBLY

The first joint assembly of the school year was held in the assembly hall of the agricultural building on December 4. Mr. Mostrom presided at the meeting and introduced the guest speaker, Mr. Stanley Osborne. Mr. Osborne is no stranger at Essex Aggie as this is the fourth time we have privileged to have him as a speaker. This time Mr. Osborne showed picture of the Mediterranean Countries. Many of these pictures were in color and some of them were movies, accompanied by native music. Mrs. Osborne assisted her husband in showing the pictures.

PRINTING PRESS REVIEW

On November 6, at 12.30 noon, the girls of the editorial staff of the Farmer and Homemaker, visited the Mirror Press, Danvers. Through the courtesy of Mr. Victor Elmore and his mother Mrs. Elmore, the girls had the privilege of witnessing the work that is put into printed material. The possibility of the printing of a stamp, book or newspaper was realized by those who attended.

The routine a paper goes through, from reporter to press and to a finished newspaper was both explained and shown. Every corner of the job has a dozen or more fussy points to be attended to.

The linotype machine provided much interest as the group watched the operator type out lines of the editorial he was working on.

Those who made the trip were accompanied by Miss Clarke, advisor, Miss Torrey, editor of our Farmer and Homemaker, and Muriel Craven, a Junior at Essex Aggie.

G. F. W.

STATE F. F. A. HONORS

John Balzarini '39 of Rockport was elected President of the State association of Future Farmers of America at the annual meeting held at the State College in November. Balzarini has served as president of the Essex Chapter and was Massachusetts delegate to the National F. F. A. convention held in Kansas City, in October.

Edward Mitchell '40 of Lynn was elected Secretary of the State association at the same meeting.

The following Essex Aggie boys were advanced to the honor grade of Bay State Farmer at this same meeting: Warren Nelson, Edward Mitchell, Martin Sevoian, Algerd Ramaika.

Delegates from Essex Aggie who attended the meeting were: David Foss, James Malley, Robert Gagnon, Joseph Mizzi and Franklin Barlow and Chapter Adviser, Instructor Elery E. Metcalf.

HANDICRAFTS AND GIFTS

The Freshmen in Miss Harris' class are making, as usual, at this time of the year, their attractive candy boxes in a new color scheme. In years gone by the Freshmen have had this duty to fulfill. Each girl is given a box filled with candy to take home over the Christmas holidays. It is a most charming practice.

The Juniors are making block prints for their Christmas cards. When done, the cards will prove to be very original and lovely as well as personally individual.

For Home Project work in Child Care, several of the girls have chosen to renovate toys, dress dolls and make stuffed toys. Some of the girls have decided to make bath trays instead of making the toys.

R. B.

HOUSEHOLD BUYING PROGRAM

A county wide program in Household Buying, will be started in the Spring of 1940 by the Extension department of the Essex County Agricultural School. This project will be given by Mrs. Harriet J. Haynes, Massachusetts State College Extension Service.

The purchasing of household equipment presents a problem to the buyer and particularly so when it comes to the selection of household equipment.

An ability on the part of the buyer to analyze her equipment needs, together with some information regarding the quality and performance of the appliance to be purchased will increase the buyer's chance of making a satisfactory choice.

Included in the program will be the buying of kitchen equipment, electrical equipment, soaps and cleaners.

Communities interested in this project please get in touch with your local chairman or Mrs. Mary M. McIntire, Home Demonstration Agent, Essex County Agricultural School, Hathorne.

Mary M. McIntire.

BOSTON MARKET GARDENERS

The January meeting of the Boston Market Gardeners will be held at the Essex County Agricultural School, Saturday, January 13. There will be a social hour and luncheon served at 12.30 followed by a business meeting at 1.30.

Prof. Grant B. Snyder of Massachusetts State College will be the guest speaker and take for his subject "What lies ahead for the Market Gardener".

The annual Blue Hubbard Squash contest will be held and it is hoped that there will be many Essex County entries.

The ladies are especially invited this year and there will be a program for them arranged by Miss Ethel Moore of the Homemaking Department of the School. There will be an exhibit by some of the work done by the girls of the school. The ladies will be told of some of the project possibilities that they pursue during the summer months.

It is hoped that many of the Essex County Market Gardeners will attend this meeting. If you are not a member you will be most welcome.

GREEN AND WHITE TRAVELS FAR

Now that the "Green and White" has been published the exchange editors are sending it to the following schools which are exchanging with us:

Milton High School, Milton, N. H.
Rio Blanco High School, Meeker, Colo.
Public High School, Anchorage, Alaska

(Continued on col. 3)

SEEING AMERICA WITH MISS EMERSON

On November 9 at the Echo Club meeting, Miss Emerson gave a very interesting account of her trip which she took last summer through the West and into Alaska. She showed us two reels of beautiful, colored, moving pictures that she took.

She began her trip by travelling North and going through the Great Lakes. In order for a boat to pass through the Lakes it has to go through a series of locks similar to those in the Panama Canal, only smaller. In passing through Canada, Miss Emerson and her companion traveled through the wheat area. Many people with whom they talked were in very high spirits, because after seven years of crop failure due to droughts and storms there was to be a fine crop of wheat that season.

They visited Edmonton and the Jasper National Park where they observed wild life, such as moose, beaver, and deer in their natural surroundings. From there they went to the top of Mount Edith Cavell and walked on a glacier five hundred feet in thickness. It was the Fourth of July and extremely cold.

The party boarded a boat at Vancouver to go to Alaska. The trip up and back took ten days. They were traveling on the Pacific Ocean, but the water was so calm and land being in sight all the way, it seemed as if they were sailing on a river. However, they passed several icebergs floating along, of which seven-eighths were below the surface.

Arriving at Skagway, Alaska, they boarded a train which took them up through the mountains over winding trails. They traveled over part of the route of the "forty-niners".

On the return trip she went south to Washington where she dined at Paradise Inn at the foot of Mount Rainier. From the window they could watch bears playing in the snow. One could hire a pair of pants and slide down over the snow drifts.

Next she visited the San Francisco Fair on Treasurer Island and beyond they could see Alcatraz which was very gruesome.

On the trip East, they stopped off at Reno and it was a very disappointing place, with its ramshackle buildings and a number of cheap gambling casinos and night clubs.

From Reno, they visited the Yosemite Valley which was gorgeous while the Grand Canyon was indescribable. The pictures which she showed had captured much of the beauty, but one would have to see it to get the full glory of its beauty and grandeur.

While in California they went to Warner Bros. studio. They were in a sight-seeing bus and no cameras were allowed. They visited the "Gone With the Wind" lot and saw a scene for the picture in the making.

Miss Emerson certainly had a wonderful vacation and I think if we all

GARDEN CHAT

The Hothouse Vegetable Growers National Association have reported that the under glass growers of the United States have an investment of \$125,000,000 in their industry. Expressed in a different way, every acre of commercial glass represents \$30,000 to \$40,000. Grand Rapids represents one of the leading vegetable forcing areas in the United States. The annual coal bill for the forcing industry is valued at approximately \$4,000,000.

It has been reported that the annual cabbage crop is valued at about 16½ million dollars. If a single row of cabbage could be planted to supply the needs of the American people, it would extend 83,000 miles, or go around the equator 10½ times. It would take about 730 million plants to plant that row. From a food standpoint cabbage ranks high. It gives 133 calories of body heat per pound; consists of 1.6% protein; 3% fats; 5.6% carbohydrates; and contains good supplies of calcium, magnesium, potassium, sodium, chlorine, sulphur and some iron, and is a source of vitamins A, B, C, and D.

The perennial plant, "Chives", makes excellent flavoring for salads and soups. From "Sturtevant's notes on Edible Plants" we find reference made to chives back in 1683 by Worlidge in England. The Scotch find it indispensable in omelettes. In this country a small tuft of them chopped fine and added to mashed white potatoes gives it a distinctly foreign taste.

Chives belong to the onion family and are propagated easily by division of roots. The leaves are cut about an inch from the ground and they keep growing up from new shoots. In the autumn one of these clumps of roots can be lifted and placed in a large flower pot and placed in the window garden to furnish you with leaves during the winter months for flavoring.

C. M. Stearns

GREEN AND WHITE

(Continued from col. 1)

Saugus High School, Saugus, Mass.
Danvers High School, Danvers, Mass.
Lawrence High School, Lawrence, Mass.

Livermore Falls High School, Livermore Falls, Maine.

Newburyport High School, Newburyport, Mass.

Walpole High School, Walpole, N. H.
Milford High School, Milford, N. H.

We have just received a request from the Pittsfield, New Hampshire for a copy as they are planning to start a school paper.

Harold Jones

could travel our slogan would surely be "See America First".

H. A. D.



4 - H CLUB NOTES



LEADERS' MEETING

The annual county wide Leaders' meeting and banquet was held on Friday evening December 8th in the Homemaking building.

The women leaders held a meeting in the afternoon with Miss Marion Forbes, the assistant State Club leader. A film strip was shown on foods club work in the state.

Miss Forbes then discussed the clothing project in detail. She told us of the 4-H Beginners' Cotton School Dress. This first dress which made by the girls may have a separate class in the dress contest. One thing to note is that the seams may be french, pinked, or straight cut. This is for the first dress only.

The home furnishing project stresses the change from the bought stamped objects from the ten cent stores to the accessories showing originality.

Miss Forbes was followed by an informal discussion on Christmas gifts and Christmas wrappings. Gift suggestions were brought in by the leaders and an interesting exhibit was made. Miss Stuart of the Danvers Gift Nook, sent a display of wrapped packages and wrappings for Christmas gifts.

The afternoon meeting was adjourned and everyone went downstairs to enjoy the delicious supper prepared and served by Mrs. Jackman, Winifred McKay and some of the Homemaking students.

Dorothy MacDonough of Beverly led the group of 50 leaders in some club songs. Mrs. G. Richard Abbott, president of the leaders' association then introduced Director Smith, who gave an interesting "pep" talk on Camp Leslie.

The following were elected as officers for the 1939-1940 season:

President, Mrs. G. Richard Abbott; Vice-President, Mrs. Leon Jordan; Treasurer, Horace J. Shute; Assistant Treasurer, Dorothy MacDonough; Secretary, Paul Corson; Executive Committee, Mrs. Alice Albrecht, Mrs. W. H. Cann, Clyde Crofts, Mr. Silas Little, Miss Marion Parker, Miss Clara Putnam, Miss Edna Rundquist, Mrs. Elizabeth Goodrich, Mrs. Albert LeMay.

Helen A. Walker,
Assistant Club Agent

4-H CLUB NOTES

January 19, 20, and 21, the annual Training School of the officers and program chairmen of the Service Clubs throughout the state will hold a meeting at the State College. Mr. Melby Brady promises an interesting meeting.

Let's have Essex County represent one hundred percent!

Program begins with supper at 6 on Friday the 19th, and ends with dinner at 1.00 on Sunday the 21st. The discussion method will be used throughout the program.

January 23 and 24, there will be Sectional Leaders' Training meetings. These are being planned with Miss Forbes and Mr. Nodine. January 30 and 31st, will also be Sectional Leaders' Training meetings with Miss Bishop and Mr. Leland.

More information will be given later regarding these meetings.

Music Hour

The first 1940 broadcast of the National 4-H Music Hour will be held on January 6 and will be heard over station WBZ and WBZA at 12.30 P. M. All 4-H music clubs are urged to listen to this program.

Boston Poultry Show

There is to be a 4-H department at the Boston Poultry Show which will be held in Boston January 17-21. There will be poultry judging contests for both Juniors and Seniors. The Mass. Society for Promoting Agriculture gives about \$250 in cash prizes at this 4-H show. Come on Essex County 4-H Poultry boys.

Alton Page

As we go to press we are happy to report that Alton Page one our star 4-H boys is getting along very nicely. Many of you know that Alton has been very ill at the Deaconess Hospital, Boston, Mass. Yes that is his address, and he will be there the rest of 1939. Let's make his Christmas a happy one.

We would like to report that Edward Mitchell, brother of Robert has been pinch hitting for Alton in some demonstrations that the boys were asked to give. One before the Danvers Rotary, which we understand "went over big."

H. A. W.

NEW SYSTEM OF PIN AWARDS 1940

For the benefit of those who do not see The Gleam we are giving you the information regarding the awarding of pins to 4-H Club members.

By vote of the county club agents at their last annual meeting the following system of awards was adopted. This new system goes into effect in the spring of 1940.

Members

- 1st year—National bronze pin without clasp
- 2nd year—A certificate of achievement to be given at the completion of the second year, a seal for first and second year to be added. The certificate to have space for ten seals.
- 3rd year—Seal for certificate.
- 4th year—Seal for certificate.
- 5th year—National silver pin with clasp and seal for certificate
- 6th year—Seal for certificate
- 7th year—Seal for certificate
- 8th year—National gold pin with clasp and seal for certificate. This may be a combined membership and leadership award.
- 9th year—Seal
- 10th year—Type of pin to be given at discretion of county club agent.

Leaders

Local leaders will receive the same awards as the club members with the exception of the ten year pins.

Charter

The present club charter will be continued.

This notice is being sent all club leaders, that they may be informed of the change previous to their spring exhibits.

SERVICE CLUB BANQUET

The Essex County 4-H Service Club banquet will hold their fifth annual banquet in honor of the five year club members, on January 13, 1940, at the Essex Aggie.

Plans are being made for an evening of entertainment and inspiration. Mr. George Farley, State Club Leader will be our guest of honor.

Inis Biodini of Beverly is general chairman of the occasion and is being assisted by a capable committee.

Tickets are on sale and may be purchased from any member of the organization and must be secured before January 10. The tickets will be 65 cents and it will be a turkey dinner.

Grace Raimeny '39 and Clifford Nelson '38 were married on July 7th and now reside at 254 Pelham Street, Methuen.

ENGAGEMENTS and MARRIAGES

From Mariam Gagne '35 comes an announcement of her engagement to John Lind.

Leila Wray '34 was married to John Seneci, Jr., November 30th. They will reside in New York City.

Edna Wilnot '37 is now Mrs. Francis McCormick. Her address is Hillcrest Avenue, Beverly. She has a three months old son, Francis Jr.

Forrest Haynes '35 and Luville Lagasse '34 have a daughter Claire who was a year old on December 12. Their home is in Haverhill.

ESSEX FARMER AND HOME MAKER

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HATHORNE, MASS.; JANUARY, 1940

NO. 1

Five Year Follow-Up Record

There are several phases of the vocational education program which differs greatly from that of the regular secondary school. In some of the previous issues we have discussed the project work as carried on by the girls in the Homemaking department either during the school year or in the summer. This time we are going to explain the five year follow-up program that is a part of vocational Homemaking.

Every girl who graduates from the school or who has attended over six months receives a letter and questionnaire once a year for five years. The questionnaire asks for their present placement, salary, length of time on the job, if they have changed during the year, their reason for changing. It also asks if they have married during the year. If a girl replies that she is married, her record, as far as these questionnaires are concerned is closed even though she has only been out of school a year or two.

You may wonder of what value these records are to the department. They are of value in two ways. First, as a Vocational Homemaking School we are training our girls primarily for future homemakers, but there is a period between graduation and the time when she becomes a homemaker that the girl may desire to earn her living. If this is the case we are interested in knowing whether she is making use in the business world of the training she received here at school.

Second, the type of placement offered to home economics trained girls change almost yearly. Through this annual follow-up report we are able to check on the type of work our girls are doing and whether our program of instruction is so planned that we are training her to meet the requirements of her job.

We have during the past month sent out 233 letters to graduates and non-graduates. To date about 50% of the questionnaires have been returned. In addition to these we already have the record of placement of the 69 girls who graduated this past November. As the 1939 record is not completed it might be of interest to study the 1938 report.

There were 316 letters sent out in 1938. Replies were received from 81% of the questionnaires. Of this number 51% were employed in occupations related to Home Economics works, 13% were at home and 16% were already married. The balance or 20% were

(Continued page 2, col. 2)

Christmas Decorations Show

The Fourth Annual Christmas Decorations Show was held December 15-18 in the assembly hall of the Agricultural Building. Over 300 interested friends and relatives of the students attended.

On Friday evening there was an entertainment with Prof. Charles Whitney as guest speaker. At this time the prizes were awarded to the following: For the most outstanding exhibit, prize went to Frank O'Connor of Lynn; a special prize to Dorothy MacGregor of West Boxford for the best exhibit for Home use. She also won first place as having the largest number of points in the entire show and Edward Mitchell of Lynn was a close second only one point behind her in second place, Robert MacAfee of Salem was third and John Ambrefe of Beverly Farms in fourth place.

Those who won first prizes in class they showed in, in the exhibition were: Robert Condon, Warren Brown, Wallace Brown, Henry Lay, John Wadsworth, Horace Dalrymple, Clarence Munroe, Stewart Chase, William French, Robert Worsman and Frank Lane.

Other prize winners were: Howard Bacon, Eugene Cahill, Thomas Owens, Leon Dupuis, Thomas Leahy, Paul Ryan, Arnold Hebert, George Banks, Harold Pierce, George Carl, Robert Bowley, and Preston Lee.

The judges for the Show were Mrs. Charles H. Haddrell of Marblehead, Harold C. Stevens of Ropes Memorial, Salem.

POSTER CONTEST

In connection with the Christmas Decorations Show the sub-committee on Publicity consisting of George Banks, chairman, Dorothy MacGregor and James Chisholm announced a competition in poster making. The competition was held for the purpose "of bringing the 1939 Christmas Decorations Show to the attention of the residents of Essex County". The competition was open to all undergraduates.

The cards for the posters could be any color. The size specified was 16x 24 inches. The posters advertised the Show and answered all important questions which might arise pertaining to the Show, such as, time, place, and admission price.

The announcements could be had both in the Homemaking Department and in the Agricultural Building. The posters were completed and submitted to the sub-publicity committee on or before December 11.

(Continued in Supplement)

Pate de Foie Gras

Foie Gras was once the food of aristocrats until, as a result of the French Revolution, it became democratic and available to the common people.

Pates are meat preparations which are both domestic and also imported from France, Germany and elsewhere. They are put up in earthenware jars, tins and in boxes. They are called pates because they were originally sold in pie or "pate" form.

The most famous of all pates is Pate de foie gras, or goose-liver pate. Pate de foie gras is an intricate concoction. In addition to truffles, most pates contain salt, pepper, butter, herbs, parsley, mushrooms and goose-fat. Every pate house has its own recipe, which is handed down from father to son, always keeping the formula secret.

Fois gras literally means "fat liver" and is especially applied to the livers of fat geese. The livers of fat duck are used also but the product is considered inferior and retails at lower prices.

One of the most famous industries of Strasbourg and Toulouse, France, is the scientific fattening of geese for the enlargement of the livers. The birds are kept in special coops, which prevent their exercising, and are fed to the limit of their capacity. In Alsace, electric feeding machines are used in feeding the birds. The feeder is equipped with a nozzle which forces a steady stream of corn into the bill of the goose, until it is almost out of breath. In front of each coop is a constant flow of water. Two or three forced feedings are given each day. At the end of forty days the goose doubles in weight, while its liver attains a full pound or more. The French peasants, who attend these geese, declare that there is no need for sympathy to be wasted on the geese, because of this gorging process, as the birds actually cluck with pleasure at feeding time.

Foie gras is imported in jars or tins in four forms, Foie gras au naturel, Pate de foie gras, Puree de foie gras, and Saucisson de foie gras.

Foie gras au naturel consists of plain cooked full livers, put up in tins of several sizes. It is intended for use in the preparation of aspics.

Pate de foie gras, the principal form, is made of cooked livers, seasoned with wine and aromatics and with cut truffles added.

Puree de foie gras is made from whole livers trimmings, with some pork added, well seasoned and cooked and then pressed through a fine sieve. Small pieces of truffle are added.

(Continued page 2, col. 3)

Essex Farmer and Homemaker

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Association
Secretary, Herman C. Jung Peabody
Northern Essex Beekeepers' Society
Sec. Treas. Stephen Dyer Lawrence
Eastern Massachusetts Society
of Beekeepers
Secretary, E. S. Batchelder Cliftondale
Essex County Milk Goat Breeders'
Association
Secretary, R. H. Campbell Topsfield

BOOKS FOR

AGRICULTURAL READING

Most of the books in the following list are in the Library of the Agricultural Department of the School. Those starred will be added in the near future. Students wishing to improve their agricultural knowledge in a pleasurable way should select their reading from this list.

The Brown House, by Herbert Quick; Tom of Peace Valley by John F. Case; Under the 4-H Flag also by Case; New Land, by Sarah Lindsay Schmidt; *You and Your Job, by J. J. Davis and J. C. Wright; Future Farmers in Action by A. K. Getman; The Harvest, by Liberty H. Bailey; *The Promise of Country Life, by J. C. Bowman; *The Story of Corn, by E. C. Brooks; *A Study of Practical Idealism, by David Lubin; Fifty Famous Farmers, by L. S. Ivins and A. E. Winship; The 4-H Cowboy by Arthur Bartlett; Hustler the Farm Dog also by Bartlett; *Men of Earth by Russell Lord; *4-H by Kenneth Hinshaw.

G. E. Gifford,
Academic Instructor

Deborah Knowlton '35 of Beverly announced her engagement to Harold J. Curtis of Danvers.

ADVISORY COUNCIL MEETING

On January 10 the Essex County Women's Advisory Council met at the School. Twenty-two members enjoyed luncheon served by girls in the Homemaking Department after which a Council meeting was held in the Agricultural Building, Mrs. Arthur Olson, president of the Council, presided.

Mrs. Olsen gave an interesting report of the State meeting in Worcester the previous week. She said the National Association had asked all State Associations who are in the Federation to choose a subject for study and as Massachusetts is the only New England State thus allied with the National a list was submitted and "The Cultural Opportunities of Rural Women" is the subject that was chosen for study.

Mrs. Annette T. Herr, State Home Demonstration Agent in the State Extension office, Amherst was present. Mrs. Herr took for her subject "What the Advisory Council Means to a County".

Notice of the classes now starting were given, Home Hygiene with Mrs. Roundy in Peabody, Hathorne, Clifton, Marblehead and Peabody.

Meal Planning and Food Preparation with Miss Belair; in Clifton, West Boxford, Peabody, Hathorne, Essex, Ipswich, Manchester and West Newbury.

Clothing with Mrs. McIntire: Hamilton, Clifton, West Newbury, Rowley, Manchester, Newbury, and Essex. Furniture Renovation, Mrs. McIntire: Beverly, Georgetown, Gloucester, Manchester and Rowley.

Mr. Arnold Davis, Horticultural Specialist from the State College will be in the County in April in Ipswich, West Newbury, Beverly, Gloucester, and may be in Swampscott.

Mrs. Morley for a few lectures in Parental Education will be here the last of January at Ipswich, Swampscott, Rowley.

Mrs. Harriet Haynes, Home Specialist will be in Merrimac for two meetings on March 28 and April 11.

Tentative plans for meetings with Specialist next Fall were made. As the 1940 Fall program is made at the State College next month it was necessary for those present to start the fall plans now.

Mary M. McIntire,
Home Demonstration Agent

FIVE YEAR FOLLOW-UP RECORD

(Continued from page 1)

employed in occupations outside the field of Home Economics.

We who are in Vocational education work consider this five year follow-up record a valuable measuring stick for our work and use it for that purpose.

Ethel Moore,
Educational Manager,
Homemaking Dept.

HOCKEY

Playing against a more experienced group of Wakefield High Hockey players the Aggies dropped the opening Hockey game, Monday, Jan. 8 at the Bauer Rink by a 5 to 2 score. Both teams were handicapped by a driving snow storm with the result slowing down the skaters.

B. Amerault, left wing of the Wakefield six was the high scorer with two goals to his credit while his team mates Benoit, Fitzpatrick, and Muise each tallied a score.

Aggies scores were made by Robert Gagnon who by the way was Captain of the team and played a fine game at center ice, along with Ralph Wilkins right winger who scored the other goal after stealing the puck in the Wakefield defensive zone and beating Sederquist the Wakefield goalie.

Irving Barter who played his first game in the nets put up a brilliant showing for the Green & White.

Wakefield Aggies
Sederquist, g g, Barter
DeRoche, rd ld, Nichols
MacDonald, ld rd, Lynch
Hershey, c c, Gagnon
Fitzpatrick, lw lw, St. Pierre
Conway, lw rw, Wilkins
Goals made by B. Amerault, Benoit, Fitzpatrick, Muise, Wilkins, Gagnon.

Wakefield spares: Benoit, Amerault, Muise, Helenson, Farwell, Batchelder, Cummings, Cullon, True, McGrail.

Aggie S pares: Gauthier, Giardino, Lasonde, Thomas, Weinhold, McLoon, Luscomb, Britton, Brown.

Periods 3-12. Referee, J. N. Cole. No Penalties.

PATE DE FOIE GRAS

(Continued from page 1)

ed and the paste is then canned like other potted meats.

Saucisson (sausage) de foie gras is put up in cans of cylindrical shape. It consists of liver, cut into small pieces, pistachio nuts, pieces of truffe, and the whole is mixed with liver trimmings and pork and forced into casings and cooked.

There is some disagreement, among French chefs, as to the proper place in the menu for foie gras. Some claim that, because of its great delicacy, it should be served at the beginning of the meal to be properly appreciated. Others claim that it should be served after the fowl, because eating a meal is like mountain climbing, in that one should begin at the bottom and move upward to the best and, as foie gras is the summit of gastronomy, it therefore should be served nearer the end of the menu. Hostesses do as they please as to its place in the menu, but, whichever they do, they all agree the pates should always be chilled thoroughly before serving, as only in this condition is the full flavor obtainable.

Bessie H. McJunkin,
Foods Instructor

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

JANUARY, 1940

STUDENT EDITORS

Homemaking Department

Lena Barbagallo '41	Lawrence
Ruth Bessom '40	Marblehead
Doris Call '40	Newburyport
Harriet Dunkason '40	Methuen
Natalie Grant '40	Beverly
Ruth Maxwell '42	Lynn
Kathleen McCarthy '40	Peabody
Carol Putnam '40	Danvers
Grace Waters '40	Methuen
Barbara Weston '40	Methuen

NEW MEMBER ON BOARD

With the printing of this issue we welcome to our Homemaking student staff a new member, Ruth Bessom of Marblehead. She is a high school graduate whom the editors are glad to have on their staff.

The next meetings of the news-writers staff will be February 1 and 15.

R. M.

WRITING PROJECT IN III D

During the first week of January, the members of the III D division in English prepared articles for this issue of the Farmer and Homemaker. This project in news writing will be conducted during the first week of each month, and much valuable news writing practice will result.

This work was under the supervision of Mr. Gifford and Miss Torrey, who gave us talks and valuable information in our struggle to write articles.

In writing articles for the Essex Farmer and Homemaker, brevity is an essential characteristic.

Warren Brown

BASKETBALL SCHEDULE

The Aggie boys have played six games of their basketball schedule and have nine more games to play, these are:

- Jan. 23 at Punchard
- Jan. 26 Rockport (home)
- Jan. 30 Ipswich (home)
- Feb. 2 Methuen (home)
- Feb. 6 at Marblehead
- Feb. 13 Hamilton (home)
- Feb. 14 at Rockport
- Feb. 20 Punchard (home)
- Feb. 27 at Tufts

CHRISTMAS DECORATIONS

(Continued from page 1)

Posters were left in the care of the Educational Managers and competent judges outside of the School were chosen to examine the posters submitted, and ribbon prizes were award-

SENIOR CLASS COMMITTEE

The Senior Class in preparation for the Senior Dance has appointed its committees. The Orchestra committee includes Newton Henriksen, chairman, Robert Sprague, Warren Nelson, Claire McMahon, Patricia Kelleher, Virginia McCarthy and Eleanor Taylor.

On the Decoration committee are Robert MacAfee, chairman, Robert Sprague, John Wadsworth, Edward Mitchell, Joseph Kearney, Barbara Weston, Olive Judge, Agnes Martin, and Ruth Jackson. Alice Cadoret is chairman of the Matron committee with Cecile Cheney, Kathleen Mason, Susan Quimby, and Eugene Cahill, and Russell Weinhold.

Donald Herron is chairman of the Ticket committee with Robert MacAfee, Newton Henriksen and Alice Cadoret assisting. Everyone is working hard to make the dance a complete success.

D. C.

FARM MECHANICS

The auto repair course which has been given for several years during the winter months, began on January 8, under the direction of Mr. Everett Lee, of the Danvers Motors Co.

The course will continue for ten weeks, giving the upper class students an opportunity to obtain valuable experience in over hauling automobiles and trucks.

Harold Jones

PUBLIC SPEAKING CONTEST

Candidates are now preparing speeches for the annual school contest which is scheduled for late February. This is an elimination contest from which the three best speakers are chosen for the school team. The school team then enters the County contest which will be held at the Norfolk Agricultural School in Walpole about March first. Here the best three speakers are chosen to enter the State contest, scheduled at Amherst, March 15.

For the first time, the Public Speaking Committee of the F. F. A. is offering prizes for the first three places in the school contest. The prizes are, first \$5.00; second, \$3.00; and third \$2.00. These prizes are stimulating interest and also drawing more candidates into the annual school contest.

J. Ambrefe

ed to Edward Mitchell, Howard Bacon and Preston Lee.

Unfortunately, there were no girls from the Homemaking Department who entered the contest.

R. B.

FLORICULTURE CLUB NOTES

The third meeting of the Floriculture club was held on Wednesday, December 6. The first part of the meeting given over to the final plans for the Christmas Decorations Show to be held December 15, 16, 17, and 18, at the School.

Mr. Charles Adamson, Groundsman and Florist at the Danvers State Hospital was the guest speaker. He told us how the men in his day in the old country had to work before they became gardeners. He mentioned the different nationalities that come to this country, namely, the English, Scotch, Irish, French, and German, all have done a good job in their profession.

He also said that the men in the countries over seas have to serve at least seven years of apprenticeship. After seven years a man becomes a journeyman, followed by third gardener, second gardener and then head gardener. If he is lucky he may attain this rank at the age of forty.

Today the head gardeners in our country are for the most part native born. Mr. Adamson gave as the qualifications for a good gardener: one must know about dogs, cows, horses and poultry as well as plants. He must be honest, truthful, not bluff in his work, neither should he talk out of turn or against fellow employees.

George Banks

FIRESIDE GARDENING

When winter snows and cold winds come you are kept indoors for two or three months after the fall gardening work has been completed, why not try fireside gardening.

Send for as many seed and nursery catalogs as you wish and with pencil and paper in hand, plan your next year's flower beds and vegetable gardens. Draw your plans and make out your seed orders.

You will spend many an evening that would have been a lonely one, pleasantly and profitably.

The bright warm days of spring will be here before you know it, and you will be prepared for a more beautiful flower garden or a more profitable vegetable garden.

Howard Bacon

ALUMNI NOTES

Florence R. Hirst '36 was married to Alfred H. Gagnon on June 3, 1939. They are living in Washington, R. I.

Beverly Bird '37 was married to Harold Hurlburt, October 6.

Vera Hunnewell '35 is working as a maid for Mrs. F. R. Gunn of Melrose. She is now living at 33 Meridian Street, Melrose.

GIRLS' ATHLETICS

Many girls responded to the call for basketball which was issued by Coach Couhig before the Christmas vacation. The aspirants are very enthusiastic to have a good team this year and they are practicing faithfully during the lunch hour on Monday and Wednesday.

Mrs. Couhig has already taught the fundamentals of the game during gymnasium periods and is ready to organize class teams. The captain of the first team has not been elected as yet. The first in the series of games was played at the Agricultural Building, Wednesday, January 10th, with Manchester High School. A more complete schedule of games will be announced later.

The following veterans have returned from last year: Alice Cadoret, Olive Judge, and Muriel Craven. It is around these girls that the new team will be formed.

The new candidates are: Lena Barbagallo, Rita Bosse, Elizabeth Whalen, Eleanor Annis, Evelyn Dodge, Ruth Besson, Margaret Savage, Ann Foley, Adelaide Webb, Mary Hayes, Phyllis Kenney, Monica Coleman, Claire Burgess, Regina Barrows, Rosamond Coughlin, Patricia Kelleher and Jessie Shaw.

The managers elected for this year are Elaine Kennedy and Dorothy Rowbottom.

K. McC.

WINTER FASHIONS

After all this Holiday Spirit and running around wearing the same things that you started with at the beginning of the season, one feels that their wardrobe needs either something new or picked up. At school the girls have started repairing their wardrobe for the mid-season with the wool dresses that they made in clothing class. Some have made some of the trickiest looking numbers by using some sort of an odd self fastening. Others have obtained their oddity by the design and style of material and garment. The girls who have the knack of making their own dresses don't have the worry of what to do for a mid-season pick up in their wardrobes.

B. W.

JUNIOR CLASS MEETING

For the first time this year the Junior Class both boys and girls met on December 7, 1939 for a class meeting.

The subjects that were discussed were when the Junior Prom was going to take place and class dues which were voted at fifty cents.

The class officers were: President, Peter Venti; Vice-President Muriel Craven; Secretary, Bernice Marsland; Treasurer, Joseph Scouller. Mrs. Clapp and Miss Wheeler, the girls' Class Advisors and Mr. Knowlton and Mr. Bennett the boys' Class Advisors were present.

The following girls are on the com-

CHANGES IN GREEN AND WHITE BOARD

At the meeting of the Green and White board, January 9, both the old and new members were present. Barbara Weston, retiring Chief Editor, presided and turned the meeting over to Robert MacAfee, the next editor. The new members on the Board of Editors are: Assistant Editor, Ilene Briggs, Beverly; Ass't. Alumni, Frances Calvert, Lawrence; Ass't. Sports, Dorothy Rowbottom, Danvers; Echo Club, Muriel Pontius, Lynn; Ass't. Humor, Alice McGinness, Haverhill; Ass't. Art, Eleanor Annis, Peabody; Ass't. Business Manager, Dorothy Gravel, Salem. Page Gifford of Middleton continues as Exchange Editor and Adelaide Webb of Andover and Rita Hitchcock of Danvers return to the Board as business managers.

G. W.

ECHO CLUB MEETINGS

On December 8, a meeting of the Echo Club was held at an assembly of the Homemaking department. The reports of Secretary, Phyllis Cook and Treasurer, June Agersea, and Doris Call, Chairman of the Budget Committee were read and accepted. Muriel Pontius, Chairman of the Programme Committee, told the students about the plans for the Christmas program and party.

It was voted to give \$5.00 to the Red Cross for Christmas from the Echo Club.

Dorothy Farnham gave an interesting account of the dinner which she attended at M. I. T. and her visit to Lever Brothers Spry kitchens in Boston.

Olive Judge then read an account of the life of Mrs. Ellen H. Richards, founder of the Home Economics Science movement in the United States.

The second meeting of the Echo Club was in the form of a Christmas Party on December 20, in the auditorium of the Agricultural Building. There was a short play presented, a musical portion, which consisted of Christmas Carols and other selections by the Hand Bell Ringers of Beverly. Dancing was enjoyed by the student body of the Homemaking and Agricultural Departments of the school. Refreshments were sold by the Echo Club during intermission.

H. A. D.

mittee for the Junior Prom: Orchestra, Lena Barbagallo and Velma Robinson; Ticket, Edna Hughes and Evelyn Seacole; Favors, Jessie Shaw; Decorations, Muriel Craven and Clair Burgess; Matrons, Phyllis Cook and Frances Calvert; Refreshments, Eleanor Carter and Bertha Delduca; Checking, Dorothy Gravel.

L. B.

BOOKS

Naturally, when one thinks of schools, he thinks of books. In fact, it wouldn't be a modern school if there were not access to books. Therefore, the question is: what type of books should a student study. I believe a book should be well written, interesting, dealing with practical problems of the student and in a fairly large print.

I think the homemaking library has more than done its best in its books. For instance, "Housing and The Home" by Schultz and "The House" by Agan are two of the very modern books. They cover practically all the problems in housing and home arrangement and decoration that one could wish to find.

Another book that is made exceptionally interesting by its clear pictures is "The Romance of American Transportation" by Rich and Crowell. All modes of transportation from the oldest days to the present are taken up.

Being a lover of poetry, I was very much impressed by "Doorways to Poetry" by Ward Stauffer and "The New Modern Poetry" by Untermeyer. Many of my favorite poems were found; but there is another reason, the books are an influence—you can become really interested in types, styles, and figures of speech used in poetry.

If there are little children in your home, or if you take care of them you will be especially interested in "Care and Guidance" by Goodspeed and Johnson.

Perhaps of the "three Rs" (reading, 'riting, 'rithmetic) 'rithmetic has been my hardest subject. I believe if I had had "Consumer Mathematics" by Cowan my arithmetic mark would have been higher. Instead of men digging ditches there are practical problems that face every consumer.

Another especially interesting book is "Etiquette Jr." by Clarke and Quigley, written especially for young people. It inspires one to improve their manners. I firmly believe that some grownups would benefit by reading it.

"All study and no play makes Jack a dull boy" was taken into consideration too. A very engaging mystery "The Disappearance of Anne Shaw" by Augusta Seaman is on the library shelves (but not for very long).

Other interesting new books are, "Consumer Economics" by Kennedy and Vaughan; "Our Environment—How we adapt ourselves" and "Our Environment—Its Relation to Us" by Carpenter and Wood; "Day by Day Cook Book" by Taylor and Lynn; "Modern Clothing" by Baxter and Latype; "Practical Problems in Home Life" Pearson and Johnson; "Essentials of Business Mathematics" Kanzer and "Consumer Science" by Haus-rath and Hamrs.

C. B. P.

REPORT OF SOIL TESTING SERVICE

During the last few years farmers and others interested in growing plants have been more concerned with what is happening in their soils. This has been partially due at least to national and local agitation to awaken people to their responsibility with soils.

In order to meet the demand for Soil Testing the School has equipped a laboratory to make complete tests for pH and available plant foods. The following is the second annual report: 609 samples were tested for complete available plant food; 63 samples tested for pH; making a total of 672 samples of soil tested.

There have been soil samples tested from the following places: General Farms, Poultry, Fruit and Dairy Farms, Nurseries, Lawns, Golf Courses, Private estates, Backyard gardens, Greenhouses, Cemeteries, Peat bogs and W. P. A. projects.

Other service rendered has been in the form of letters, telephone calls, personal interviews, assisting Agricultural Conservation Service, public institutions, and also assisting instructors with various problems of soils and fertilizers.

A small fee of 25 cents for one sample and 15 cents for each sample thereafter, is charged for this service.

Soil testing is by no means a cure-all of our soil troubles. A great deal depends on how the soil sample is taken as to how valuable the results will be. A personal visit to the School with the soil samples enables us to be of more help to the individual and the problem at hand. We trust this service will be of value to more of you who are interested in achieving the best results from the soil.

Alton G. Perkins,
Science Instructor

NEW APPRENTICE TEACHER

Amos G. Davidson is the new apprentice teacher at the Essex County Agricultural school, taking the place of Everett Roberts who resigned to take a permanent position with the Hales and Hunter Co., in Chicago in the Poultry Research laboratory.

Mr. Davidson resides in Norwood, he was born in Aberdeen, Scotland, received part of his education there and two years at Adelaide College, South Australia, he did graduate work at the New York State Ranger's School in forestry and the past two years was instructor at the Avon Old Farms, Avon, Connecticut, this is a Boys Preparatory School. While there he taught Animal Husbandry, was supervisor of the Livestock, it is at this school that the largest flock of sheep in New England is kept.

Louise Semple '36 was married to Donald Walton on December 18, 1938. They are living at 5 Marchant Street, Gloucester.

GARDEN CHAT

Excellent speakers and interesting exhibits of farm equipment, spray materials, etc. attracted a large group of farmers and interested persons to the Union Agricultural Meetings held at the Worcester Memorial Auditorium January 3, 4 and 5. These meetings which have been for more than twenty years are sponsored by the various agricultural organizations in the State; the Massachusetts Agricultural College, the Massachusetts Department of Education, and the Massachusetts Department of Agriculture.

The Department of Education featured a model roadside market built and designed at the Essex County Agricultural School. Two panels, one at either side, showed pictures of present and graduate students of agricultural schools or departments on the job in agricultural work, and a list of Gold Medal or Certificate of Merit awards of graduates from agricultural schools or departments in Massachusetts. These last awards are given by the Department of Agriculture in Massachusetts for outstanding accomplishments in the field of agriculture each year. Melville G. Grey, our own county colleague and president of the Board of Trustees at the Essex County Agricultural School heads this list. Maynard Tucker of Gloucester and Harold Rogers of Ward Hill, Haverhill, graduates of the Essex County Agricultural School, have also received the certificate of merit.

Students and graduates of the various county agricultural schools and departments shared in supplying the articles of produce displayed at the Model Market, which included nursery stalk, flowers, apples, vegetables, gourds, milk and eggs.

If one is desirous of having some nice fresh pulled rhubarb stalks during late winter, now is the time to dig the roots out of the ground, provided you haven't already lifted the roots and had them stored in a shed where they could freeze, which is the desired method. The roots should be placed where they are to be forced and covered with soil or ashes. For the home gardener, two or three roots placed on the cellar floor and covered with part ashes and part soil will furnish quite the desired conditions when firmed well about the roots. Watering should follow keeping the soil moderately moist after the shoots have started. The temperature as found in the average cellar fairly near the heater is about right, that is, somewhere between 45-55 degrees F. Several weeks will be needed before the stalks will be ready to pull. These stalks will have a pale or pinkish leaf stem and very little leaf growth. No plant food is needed for this crop as these roots have become storehouses of food and energy during the past growing season, and as soon as the heat thaws the roots out,

1940 AGRICULTURAL CONSERVATION PROGRAM

During the coming month, meetings will be held in the various communities for the farmers of Essex County regarding the 1940 Agricultural Conservation Program. A letter will be sent to each name on our list advising the date and place of the nearest meeting.

The potato and vegetable acreage allotments will be taken up at such time with each farmer as well as the soil-building payment he may receive, or the amount of Ground Limestone and Triple Super phosphate he may take in place of cash.

The men who will arrange for and hold these meetings are as follows:

Henry Smolak, 315 South Bradford St., North Andover
Gilbert Wallace, Chadwick Rd., Haverhill

John O. Walker, Birchmeadow Rd., Merrimac

David Caldwell, South Byfield
Theodore Burnham, Chebacco Nurseries, Essex.

Wilfred J. Martel, 88 High St., Ipswich

Robert C. Roffey, 45A Mount Pleasant St., Rockport

Alex Swiniarski, Newbury St., West Peabody

Raymond Pearson, 41 Summer St., Lynnfield Centre

Any farmer wishing information regarding the program, or materials furnished, may contact any of the above mentioned, or get in touch with the Agricultural Conservation Office in the Essex County Agricultural School building, Hathorne.

Edwin C. Martin

SUMMARY OF THE COUNTY EXTENSION WORK

The Agricultural Extension work of the Essex County Agricultural School has just been summarized by County Agent Francis C. Smith for the year ending October 31, 1939.

There were 747 farm visits made, 1725 office calls, 87 press articles were prepared; 1684 individual letters written, 136 farm letters were distributed, 1722 bulletins; 18 radio broadcasts; 197 meetings were attended by 5668 persons.

This work contacted dairymen, poultrymen, market gardeners, fruit growers, estate owners, woodlot owners, backyard gardeners and others.

growth starts. After forcing these roots under such circumstances they are worthless unless they are taken and planted out in the open ground the following spring and two years taken to feed and build them up again. Any variety can be forced under the above conditions.

C. M. Stearns



4 - H CLUB NOTES



JANUARY MEETING

On January 23 at 3.30 Miss Marion E. Forbes, the Asst. State Club Leader will meet the older club girls in North Andover. She will talk to them about general club work, records and the annual dress revue which is to be held May 18th. This meeting will be held at the home of the leader Mrs. Alice F. Albrecht.

At 7.00 the five Methuen clubs will join with the Andover group to hold a meeting for the mothers and friends of 4-H club members. A fine program is being planned by the girls to include a dress revue which will show the garments already made by the girls this year.

Miss Forbes will bring her home furnishing kit which is full of interesting suggestions that can be made by the girls. She will also give a talk on general 4-H Club work. It is hoped that a large group will attend this meeting at the Methuen Odd Fellows Hall on January 23 at 7 P. M.

In Rowley a group of new leaders and new first year club members will meet on January 24 to learn more about 4-H Club work and its activities at the grammar school at 3.30. The new leaders are Mrs. Beatrice Blatchford, Mrs. Robert Watts, Mrs. Wilbur Pickard and Mrs. Anthony Sheehan.

In the evening of January 24th Miss Forbes will again meet with the Danvers group. Mothers and friends will be invited to this meeting.

These meetings that have been planned are open to any club members or leaders who live in nearby towns, who wish to attend.

Everyone is invited.

H. A. W.

SECTIONAL MEETINGS

The County has been divided in halves for the sectional leaders meetings to be held on January 30 and 31.

The first one will be held in Beverly and the following towns are included in this group, Middleton, Danvers, Ipswich, Lynnfield, Peabody, Topsfield, Saugus, Lynn, Swampscott, Salem, Marblehead, Wenham, Hamilton, Essex, Manchester, Gloucester and Rockport.

The northern section of the county will meet in West Newbury with these towns joining in, Andover, North Andover, Lawrence, Methuen, Haverhill, Boxford, Georgetown, Groveland, Rowley, Newbury, Newburyport, Merrimack, Amesbury, and Salisbury.

Miss Tena Bishop and Mr. Harley Leland Asst. State Club Leaders will meet with us on these two occasions,

4-H ELECTRIC CLUB ORGANIZED IN HAVERHILL

For the first time in Essex County a 4-H Electric Club was organized by the County Club Agent, Horace J. Shute. Keeping astride of modern agriculture the 4-H Club organization of Mass. through the cooperation of the New England Power Rural Electrification department has launched this new project.

Mr. George Fafard of the New England Power Co. was present and gave a very interesting talk on the purpose of the club to the members present. He stated that the club program would include the study of electrical terms, sizes of wires and their proper uses. There will be work on switches and motors covering their proper uses and care, he said.

The project work will include making a simple motor, brooders and ventilation system. There will be field trips and demonstrations and moving pictures covering the subjects studied.

Mr. Ferin Peckham of Lowell was next introduced. He told about the 4-H Electrical club of which he is the leader and the help they received from their work on the project last year. The course said Mr. Peckham will give the members sufficient knowledge to enable them to get the greatest amount of efficiency out of their electrical equipment on the farm. He said that in no way was it intended to make electrical engineers out of the boys or would it encourage them to do any wiring as this job requires a licensed electrician and he brought out the hazzard of improper home wiring.

The local leader of this club was next introduced. He is Mr. Fred Taylor electrical engineer for the Haverhill Electric Co. Mr. Taylor is giving his time free for the benefit of the boys. He outlined the program they would follow and made arrangements for the next meeting that will be held on Jan. 11 at the High school.

He then showed a very interesting moving picture on rural electrification.

All the boys in this club are from farms or interested in farming and high school age or older.

Those present were: Edward Amshy, Albert Bocuzzo, Edward and Richard Guertin, Leonard Marble, Algerd Ramaika, Donald Smart, Donald Atwood, Earl Comeau and Francis Cameron.

and the meetings will begin at 7 P. M.

The program has been planned to answer any questions new leaders might have and give new inspiration

4-H DAIRY MEETING

The first County wide 4-H dairy meeting was held January 3, 1940 in Georgetown with 22 members present.

Reports were given by several members on the highlights of the dairy project last year. Samuel Noyes of Georgetown gave a very interesting talk on the Wirthmore trip to the World's Fair. Norman Allen told about the 4-H dairy show at the Essex County fair. In his talk he related that there were 16 animals in the show 8 from Essex County and 8 from Middlesex. Robert Atwood won the grand Champion prize while Norman won the showmanship contest. At this time a count was made of the pure bred animals to be exhibited this year and it was found that there were 23.

Donald Atwood of Haverhill next told of his trip to the State Boys' Day in Amherst.

Following this the program for the year was discussed and the county club will hold one meeting a month and will take up such subjects as Breeds of Dairy Cattle and selection of calf.

Rearing the calf, judging work, dual contest with Middlesex County.

Fitting and showing tours of the members' farms and dairy shows and the final meeting a banquet and awards.

Following the program discussion.

Officers were elected for the coming year. Donald Atwood of Haverhill was elected president. Samuel Noyes of Georgetown was elected vice-president. John Raymond of Georgetown Secretary.

Mr. Harley Leland assistant State Club leader in charge of dairy work was present at the meeting and gave a very interesting talk and helped plan the program for the year. Mr. Leland also brought an examination which each member took on general information on dairying, this test was also given to a check group of non-club members, to determine the education obtained in the club.

The next meeting will be held in Georgetown, Feb. 7 at 7.00 P. M.

to former leaders.

The program planned for these sectional leaders meetings is as follows: Talk on Leadership, Mrs. Abbott.

Exhibitions and programs, Miss Bishop.

Demonstrations by two club members. Comments by Miss Bishop. Requirements, records, pins and other awards, Mr. Leland. Girls Day, Miss Walker; Boys Day, Mr. Shute. Camp and Garden Work Plans, Mr. Shute.

ESSEX FARMER AND HOME MAKER

VOL. 22

HATHORNE, MASS., FEBRUARY, 1940

NO. 2



Farmers' and Homemakers' Day

The School will conduct for the 26th time the Annual Farmers' and Homemakers' Day on Wednesday, March 20. As before, this will be an all day session, featuring a union meeting in the main agricultural hall in the morning and a full list of sectional meetings in the afternoon.

The trade exhibition will be of the same general nature as formerly, with a varied line of exhibitors.

As rapidly as final arrangements are made the press will give notice, and the Farmer and Homemaker will appear in season to convey the final program.

Middleton is now on our 4-H Club map. So much so that eight new clubs have been formed, six clothing, one handicraft and one poultry. We are happy to welcome the following new leaders: Mrs. Elva Adams, Mrs. Poulina Collins, Mrs. Lennart Winquist, Mrs. Max Poulsen, Mrs. Evelyn DeBlois, Mrs. Theodore Sillars, Arthur Page, Jr., and Alden Moreland. There are 45 girls and 12 boys enrolled.

Camp Leslie

A Valuable, Worthwhile Project

During the month of February the Trustees for Camp Leslie are planning the opening of a drive for the raising of funds. It is anticipated that this drive will continue for sixty days. During that period it is the hope of the Board that a sufficient sum will be raised to make the purchase of this beautiful property an assured success. This is highly desirable because within three or four months complete plans must be laid for occupation, development, and organization of the camp on a very permanent basis.

Many arguments will naturally be forwarded favorable to this project. Far from the least of these should be the idea that this becomes a permanent owned property to be developed alike for the benefit of both the girls and the boys of Essex County. Scout work, camp fire work, and other worthwhile projects have not been as general or universally wide in their scope.

What a heritage for those who are working seriously for this plan to give in terms of leaving a permanent heritage to the youth of this large prosperous county. Friends of
(Continued on page 2, col 1)

Let's Work With Amberol

I am sure that you would like to know what "Amberol" is and what its purpose is before working on it.

The word 'Amberol' should at once associate your thought with Amber which has been known and admired from the earliest days of fashion. It was greatly esteemed for ornaments and charms and had been so highly valued as an object of luxury that it has been known to sell at a higher price than living men.

Today, due to the fact that Amber is still costly, a new inexpensive gem-like material has been produced to resemble it. This material is a synthetic resin and like amber can be carved, sawed and filed without difficulty and is used for the making of a wide variety of things. It may be obtained in many colors and is sold in sheets and in round blanks for rings, napkin clips and bracelets. Flat pieces can be secured in any size and thickness for the making of such articles as buttons, pendants, paper knives and buckles.

Let us begin to work by making a very simple article such as a cross that may be used for a pendant. The

(Continued on page 2, col. 2)

Essex Farmer and Homemaker

HATHORNE, MASS.

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the Essex County Agricultural School

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CAMP LESLIE

(Continued from page 1, col. 2)

Club work realize that they are building much broader in every one of the four aims as represented by the 4-H leaf. This camp, well managed and well equipped, makes one of the best possible answers for carrying out that work for our Essex County boys and girls. Let us put every facility behind those who are attempting to raise this fund and give them every encouragement to help them secure their quota.

It is doubtful if a better site could be offered when all features are considered. Its accessibility is perfect. The site is ample for almost unlimited later growth. The forest growth which covers the larger percentage of the area is excellent and with proper management can be expected to grow continuously more beautiful. Its location on a large fresh water lake furnishes another outstanding feature.

Another new community has been added with another project. It is Byfield with a Home Furnishing Club. This group of 11 girls meet under the leadership of Mrs. Rachel Rolfe. They are starting out by making table runners on which each girl may show her originality.

ALUMNI NOTES

Barbara Sturtevant, formerly of Danvers, and a member of the class of '37, was married last month to Elliott Corthell.

Agnes Burke, class of '36, is an attendant nurse at the Isham Infirmary, Phillips Academy, Andover.

Rachel Kruschwitz graduated in 1938 and was married in June 1939 to Freeman Hatch 3rd.

Gertrude Lawton, class of '36 is working at the Singer Sewing Machine store in Lawrence.

Laura Chase, class of '36, was married to Ralph Crooks in March 1939. They are living in Newburyport.

Olive Purdy '38 is employed in a tea room on Lime Street, in Boston. Harriet Lufkin '36 was married to Andrew Nutton in April 1939.

Ruth Martin, class of '37, is assisting in the kitchen at Lasell Junior College.

Elsa Robblee and Ethel Ross of the class of '37, are in training at the North Shore Baby Hospital.

Richard Heider '32 of Andover, was a recent visitor at the School. He is with the Sinclair Oil Co.

R. B.

LET'S WORK WITH AMBEROL

(Continued from 1, col. 3)

first thing to do in making a flat article is to fasten a copy of the design directly on to the material. This may be done by applying paste or rubber cement over the surface of the piece of Amberol and setting the design in place. Make sure that there are no bubbles under the paper and allow the paste to dry for a few minutes. It will be necessary to make a hole for the chain to go through and a hand drill with No. 57 drill point will give a hole large enough. Now you are ready to start the actual cutting out of the design. Obtain a jeweler's saw or a jig saw with a No. 2 blade and saw directly on the line. Then start filing on the saw cut edges with the coarse half-round file and work with a slanting motion. When the sides of the cross have been properly filed, strip off the remnants of your pattern and rub the work thoroughly with medium sandpaper (2 by 0) until all lustre has disappeared. Then exchange the sandpaper (00) until all lustre keep going over the work until it is perfectly smooth to the touch and scratchless. This is important. Now we are ready to polish it by rubbing the Amberol briskly on a piece of felt until we have produced the brilliance we wish. This is the finishing touch.

Genevieve Wheeler,
Apprentice Teacher.

The 1940 census will include an extensive check up on the number of beekeepers in the United States.

PERSONALITY IN CLOTHES

There is in every woman, I am sure, though it may be latent, a desire to be both attractive and charming, unless possibly she is eccentric, and we certainly hope even that may be cured.

Very often young girls, in their first keen desire to be attractive, have tried desperately to be like someone else they know, some movie star perhaps, who seems to attract people by her charms. Such an attempt usually fails utterly. Why? Because they are trying to be like someone else and not themselves. Each one has her own individuality which belongs to her and no one else, and to strive to copy another is to be untrue to one's self. When one is true to one's own self and tries to improve that self she best brings out her own individual charm.

Now what has all this to do with clothes? Just this—we must give the proper setting to these individual personalities; we must provide the right background for them and how better than with clothes? For example would you want a sweet, feminine type of girl to wear an evening dress trimmed with sequins? All her charming loveliness is gone. Equally awkward would be a sophisticated young lady in a very simple, bouffant type of dress.

There are numerous books provided today which give helpful ideas on this matter of dress, and usually the authors give due consideration to the subject of personality. They usually place personalities in different classifications. Though each personality is different, they invariably have similar characteristics which help to classify them to a degree.

Margaretta Byers in her book "Designing Women", has some interesting classifications. She speaks of "The Coquette" and gives for examples, Billie Burke and Lily Pons; "The Sophisticate", example, the Duchess of Windsor; "The Romantic" example, Greta Garbo; "The Patrician", the Duchess of Kent; "The Gamine", the boyish or rebellious spirit, Katherine Hepburn; "The Exotic", Marlene Dietrich.

Personalities may also be classified into three types as follows: "The Boyish", fun-loving but straight-forward and honest, jolly and companionable. This type wears sport clothes exceptionally well, plain tailored lines and usually clear strong colors. "The Girlish Type", sweet lovable, shy, demure. For her, daintiness, is our motto even in sports clothes. "The Dramatic Type", striking, unusual, daring, self-confident. She wears the new, more extreme styles, likes gowns designed to show off certain very decorative accessories, wears black admirably and fabrics with lacquered surfaces.

(Continued page 3, col. 2)

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

FEBRUARY, 1940

STUDENT EDITORS

Homemaking Department	
Lena Barbagallo '41	Lawrence
Ruth Bessom '40	Marblehead
Doris Call '40	Newburyport
Harriet Dunkason '40	Methuen
Natalie Grant '40	Beverly
Ruth Maxwell '42	Lynn
Kathleen McCarthy '40	Peabody
Carol Putnam '40	Danvers
Grace Waters '40	Methuen
Barbara Weston '40	Methuen

AGRICULTURAL DEPARTMENT

George Banks '41	Saugus
Howard Bacon '41	Lynn
Harold Jones '41	Danvers
Preston Lee '41	Peabody
Warren Brown '41	Salem
Peter Venti '41	Danvers
Robert Landry '41	Gloucester
Henry Lay '41	Merrimac

ECHO CLUB NEWS

The Echo Club held a meeting in the assembly hall on January 13. At this meeting, Eleanor Taylor and Frances Calvert, officers of the club, told the student body about their trip to Simmons College. They attended the meeting of the Homemaking Clubs throughout the state. Their talks were very interesting.

On February 1, the Echo Club had as their guest Mr. William Kruschwitz. He was introduced to the students by Eleanor Taylor, president of the Echo Club. Mr. Kruschwitz showed us pictures of how a laundry operates, which was very interesting. He also showed some very educational pictures taken in the West. Some of the most interesting were of the Rocky Mountains, Yellowstone Park, and Old Faithful, Columbia River Basin, and the Collee Dam. The movies were enjoyed very much by the students and they appreciated his kindness in showing the pictures to them.

K. McC.

F. F. A. NOTES

A general meeting of the Future Farmers of America, Essex Chapter, was held on February 7. Moving pictures were enjoyed, entitled, "Around the World on the Stella Polaris".

A special meeting of the Chapter was held on February 8, the budget for the year was approved.

The Chapter will be hosts to the Echo Club and members of the Staff at a party on February 23, Val Evans of Peabody will be the Entertainer.

ALUMNI TO ENTERTAIN SENIOR CLASS

The Essex Aggie Alumni Association is developing a new feature in its many activities this year. This new feature will be in the form of an afternoon gathering with the Senior class.

The purpose of this gathering is to acquaint the members of the Senior class with the Alumni association, its officers, its ideals and goals and the value of it as a connecting link between the members and the School.

March 5, has been set for this gathering and it will start at 2.30 P. M. in the Assembly Hall. There will be a program of information as well as recreation. Refreshments will be served by members of the Homemaking Department.

It is hoped that a goodly number of the Alumni will be present at this gathering.

Horace J. Shute,
Secretary of Alumni

SECOND TERM HONOR ROLL

The second term honor roll for the Agricultural department is as follows:

Seniors: Arnold Hebert, Saugus; Frank O'Connor, Robert Nichols and Edward Mitchell of Lynn; Algerd Ramaika, Robert Chabot, Haverhill; Donald Herron, David Irons, Salem; Warren Nelson, Martin Sevoian, Russell Weinhold, John Wadsworth, Methuen; Wallace Brown, Gloucester; Newton Henriksen, Lawrence; Robert Sprague, Peabody, Stafford Knight, Danvers and George Pelletier of Lawrence.

Juniors: Howard Bacon, Warren French, Charles McBride, Lynn; Charles Gibbs, Saugus; John Adams, Georgetown; Wallace Kneeland, Topsfield; Victor LaBranche, Haverhill; Forest Reynolds, Amesbury; Warren Brown, Thomas Owens, Salem; Harold Jones, Eugene Cobb, Peter Venti, Danvers; Robert Landry, Gloucester; Preston Lee, Peabody; Walter Pike, Andover; Henry Britton, Rowley; Ralph Wilkins, Beverly; Henry Lay, Merrimac.

Sophomores: Robert Bradbrook, Ipswich; Thomas Blanchette, Salem; Harold Raynor, Danvers; George Solomon, Wilfred Robidoux, Lawrence; George Wildes, Wenham; Robert Conway, Peabody; and Robert Gagnon of Lynn.

Freshmen: Gilbert Fournier, Lawrence; James Boardman, Andover; Fred Gott, Saugus; Franklin and Raymond Barlow, Methuen.

High School Graduates: Joseph

FARMERS' AND HOMEMAKERS' DAY

The Homemaking Department of the Essex County Agricultural School is going to present displays and demonstrations in all major subjects on Farmers' and Homemakers' Day, March 20. The following paragraphs describe briefly the plans that are already made.

Miss Clarke is displaying the High School B and C notebooks on Housing and notebooks illustrating the Freshmen and Juniors correspondence. The Freshmen have their friendly letters, bread-and-butter letters, and a letter of thanks for a gift. The Juniors are exhibiting formal and informal invitations and replies, notes of sympathy, condolence and congratulations, as well as the use of visiting cards.

Miss McJunkin and Mrs. Dunn with the help of Miss Edwards are exhibiting the High School Graduates division's work which will include pajamas, house coats, wool dresses and suits made by the Senior girls. Mrs. Clapp is exhibiting the Juniors' woolen skirts and blouses and the child's dresses and aprons made by the Freshmen.

Mrs. Roundy is exhibiting Child Habit Training material. Child Care notebooks and toys.

Miss Harris' Freshmen are setting up two tables for a luncheon party, one for Easter and one for St. Patrick's Day. She also has posters and art folders. The Seniors are having a curtain exhibit. There are posters of how to change the apparent size of a window by the use of curtains. The High School Graduate group are displaying their Dress Appreciation note books. Miss Wheeler and Miss Harris are exhibiting the Junior handcraft.

The foods department is going to put on a seasonal display. Mrs. Butman, Miss Emerson and Miss McJunkin have planned to work with the High School Graduates, Seniors and Juniors to have a display for twelve months of the year. An attractive dish appropriate for each month of the year will be arranged.

Miss Lovett assisted by Miss Silcox will have an exhibition of cleaning agents and materials suitable for different types of cleaning.

G. W. and N. G.

Mizzi, Robert Bertram, Salem; Christy Mpelkas, Lynn; Ralph Reynolds, Eugene Burr, Beverly; Robert Anderson, Gloucester; Edward Lynch, Robert Smith, Lawrence; Beverly Sawyer, Marblehead.

"FAMILY" DINNERS

The High School Graduate divisions A and C have recently given a series of family style meals. This means that a group of four girls plan a menu, order the supplies, prepare the food, figure the costs and serve the meal. A typical menu is as follows:

Celery Soup
Fried Ham
Pineapple-Lettuce Salad
Mashed Potatoes
Twin Mountain Muffins
Snow Pudding with Custard Sauce
Cup Cakes

The girls who took part from the High School A were Simone Dionne, Gwendolyn True, Ruth Bessom, and Priscilla Cobb. They invited Miss Lovett as their guest. Their party was on January 18. Also, on the 18th was a group composed of Mary Hayes, Jane Uliane, Ann Foley, Dorothy Hall and Dorothy Farnham, with Miss Moore as guest. On January 25, the "family" included Agnes Martin, Patricia Kelleher, Ruth Spencer, and Margaret Savage, with Mrs. Dunn as guest.

In the High School C. groups on January 17 were Monica Coleman, Rosamond Coughlin, Lucille Dernier, Page Gifford and their guest, Miss Harris. The other group was Natalie Grant, Kathleen McCarthy, Ernestine Lawrence, Ruth Jackson, and Mrs. Roundy. On January 24, two more groups held parties. These groups were made up of Virginia McCarthy, Barbara Murray, Joan Manwell and Carol Putnam with Miss Clarke as guest. At another table were Grace Waters, Adelaide Webb, Mary Smith and Susan Quimby. They invited Mrs. Butman.

These parties were all very successful and much credit is due to Miss Emerson, our foods instructor. She, with the help of one of the girls from each group, was general overseer. She divided each group into four parts, the manager, who planned the order of work and amounts to buy and prepare; the host, who served the main course at the table; hostess, who really acted as a good hostess should and also served the dessert; a waitress, who sat at the table but cleared the dishes. She also prepared the serving platters and brought them to the table. All food had to be served at the table. Each person paid 25c for her dinner and this almost paid the cost of the food. All enjoyed the meal and really learned a lot from the experience.

C. B. P.

Some 2,000 more purebred animals were imported into the United States in 1939 than in 1938, according to the Massachusetts State College department of animal husbandry. Over 15,000 certificates were issued last year for purebred animals to be imported under the tariff act of 1930.

CHANGES IN HOMEMAKING SCHEDULE

When on January 26th the second quarter of the school year ended, it brought to a close many of the subjects studied in the Homemaking department. Not all the girls were affected by these changes. However, the Seniors, Juniors and High School Graduates were.

The Seniors are now having four periods of English a week omitting two periods of Family Relations they have had. Also they have Home Hygiene in place of Child Care. The girls in the Junior A, have started to have an afternoon a week of meal preparation in place of their mornings in the Student Cafeteria. Both Junior Divisions are having student demonstrations in their nutrition classes.

The High School Graduates have the most changes. Like the Seniors, they are having Home Hygiene in place of Child Care, but they are also having Home Decoration in place of dress Appreciation. The girls in divisions A and C are having cooking in the student Cafeteria in place of serving the Faculty their lunch while Division B has taken over cooking the Faculty's lunch once a week. Another change is that the girls in divisions B and C exchanged the sociology which they have been taking for the Family Relations which Division A has taken up the last two quarters, while Division A takes up Sociology.

Although there has been a little confusion in finding rooms and starting new projects, the third quarter is underway with little trouble and before the students know it they will be starting their fourth an last quarter.

D. C.

PUBLIC SPEAKING

The following students have entered the Public Speaking contest and will be in the eliminations to be held at the School Assemblies on February 20 and 21.

James Furey, Salem, "Farm Churnery."

Robert Bertram, Salem, "East Versus West."

Christie Mpelkas, Lynn, "The Importance of Vocational Agriculture"

Robert Anderson, Gloucester, "Experiences and Objectives in Poultry Keeping."

John Ambrefe, Beverly, "Holy Ground, A New Land Policy."

Edwin Hyde, Nahant, "The Spreading of Disease, Through Milk and Its By-Products."

George Solomon, Lawrence, "In the Nursery, Raising a Calf."

Russell Weinhold, Methuen, "An Outsider's Viewpoint, A Study of the Milk Situation."

Newton Henriksen, Methuen, "The Value of Record Keeping, A Study of Dairying."

STUDENT ASSEMBLIES

On February 12, an assembly was held in the Homemaking Department, with the Senior Class in charge. As it was Lincoln's birthday the assembly was held in his honor, with Alice Cadoret in charge, and the program was as follows:

Song by the school, "Guide Me, Oh, Thou Great Jehovah"

Story of Abraham Lincoln by Alice Cadoret.

Lincoln's Gettysburg Address by Olive Judge.

Lincoln's Springfield Farewell Address by Mary Maklae.

Closing song by the school, "Battle Hymn of the Republic."

Another assembly has been planned for February 21, in honor of Washington's birthday under the direction of Edith Boissonneault and the program will be as follows: School, Salute to the Flag.

"A Glimpse of Washington's Birthplace" by Edith Boissonneault.

Song by the school, "America Eternal."

"Something of George Washington's Boyhood" by Cecile Cheney.

"At Valley Forge" by Elsa Ljunggren.

Song by the school, "America Forever."

H. A. D.

FOOTBALL CAPTAIN

At a meeting of the lettermen in football, a Captain for the 1940 season was chosen. There were four members from which to choose, all these being lettermen of 1938 and 1939. They were Harold Pierce of Marblehead; George Banks, Saugus; Warren Brown, Salem; Stuart Chase, Peabody. After much deliberation a vote was taken and Harold Pierce of Marblehead was chosen Captain for 1940 season. Pierce is a regular back-field man for the squad and has been for the past three years and will without any doubt lead his team through a victorious season.

There was a strong feeling at this meeting to choose co-captains but when put to a vote it was defeated by a small margin.

C. G.

SENIOR DANCE

On Friday evening January 19 the Senior Dance was held at the School. The Assembly hall was prettily decorated with Cedar trees and palms and balloons lent color as well as the gowns of the ladies.

Alice Cadoret was crowned Queen of the evening and Dean Ellis, King, they led the Grand March. The patrons and patronesses were Miss Ethel Moore, Miss Margaret Harris, Mr. and Mrs. James N. Cole, Mr. James Gallant and Mr. Ellery Metcalf.

A. H.

POULTRY BREEDING AT
THE SCHOOL PLANT

The person who is unfamiliar with the pedigree breeding of poultry has little idea of the great amount of statistical work involved. A well known poultry breeder stated at a recent meeting that the information he had given out in five minutes had required about thirty hours work on the part of two people to "dig out" out of the records, and that was of course in addition to the original time spent in recording the information. The same situation is paralleled here as far as proportions go.

In summarizing the records (in part) of the Rhode Island Reds trapped here at the school last year two groupings have been made. The first group includes those individuals who have produced 240 or more eggs in 365 days. (To qualify in Advanced R. O. P.) Record of Performance) this minimum number of eggs must be reached, with 200 the minimum in R. O. P.)

Of the birds completing their year and on hand Nov. 1st., we have the following numbers in each egg group: 240-250 eggs, 17; 251-260 eggs, 22; 261-270 eggs, 11; 271-280 eggs, 8; 281-290, 3; 291-300 eggs, 4; over 300, 5. Seven individuals laid 300 or more eggs, with 315 as the top number.

Inasmuch as some birds lay quite a number of eggs after one year of production before they molt, the writer thought it would be of interest to record the total number of eggs laid in the first laying year. Recording as previously only those reaching 240 or more the following distribution was found: 240-250 eggs, 14; 251-260, 18; 261-270, 12; 271-280, 10; 281-290, 9; 291-300, 7; over 300, 9. From the dollars and cents standpoint, a bird that will lay more eggs in her first complete laying season is of more value than one which lays more eggs in 365 days but stops soon afterwards, so this is being taken into consideration in the school breeding program.

It has been possible during the past year to give more attention to breeding records, especially in the consideration of families, which are far more important but sometimes less spectacular than individuals. As breeding work progresses, standards are continually being raised, and demands upon the birds are greater and greater. In addition to breeding for numbers of eggs, the following points are also considered in different breeding programs: size of eggs, and rapidity with which standard size is obtained. Body size at first egg; hatchability; egg quality (color, shape, texture and in some cases interior quality); uniformity in type and color; age at first egg; chick livability during growing period; laying house mortality of sisters; ability to reproduce beyond the first year; freedom from paralysis; ability to maintain body weight under sustained pro-

HONORABLE MENTION

Speaking of men who have spent their lives improving the beauty of the community, one man deserves such mention, Mr. David Furbush, 518 Chatham Street, Lynn, landscape architect and florist. Mr. Furbush has lived here all his life and is prominent in both business and social life. The business was established more than 100 years ago by Mr. Furbush's grandfather. During the years it has steadily grown until, today it employs eighteen head gardeners and forty workmen. Seventy-five estates in Nahant, Swampscott, Marblehead and Lynn are under Mr. Furbush's supervision.

He is an active member of the Lynn Chamber of Commerce, the Odd Fellows, the F. T. A., and supports church activities. He is much admired for his ability to please people in the art of landscape designing. His greatest activity has been at the New Ocean House in Swampscott, where he landscaped the grounds, making a new golf course, four tennis courts, vegetable garden, three large rock gardens and many flower beds.

His advice to young people interested in this line of work is to study agriculture for a few years at an agricultural school and then work out two or three years under a competent head gardener, later becoming a head gardener. Agricultural life is a clean, healthy one to follow is the opinion of my friend, Mr. David Furbush.

Howard Bacon

PERSONALITY IN CLOTHES

(Continued from page 2, col. 3)

In order then to dress to suit our personalities we need to decide what type we are most like. We may find that we have characteristics of more than one type, and sometimes circumstances in our lives tend to change or develop certain characteristics in us so that our personalities may undergo a change. We can, however, wear clothes that seem best to suit the type we are most like and these clothes should be chosen well, make us feel happy and at ease. They will be those clothes which we wish would never wear out.

Margaret R. Harris,
Instructor Related Art

duction; early feathering, meat quality; and non-broodiness.

The foregoing points are listed at random with no attempt to place them in order of importance. However, even the layman can recognize the difficulty in trying to combine these qualities in one individual to say nothing of a flock. It is a never ceasing source of wonder to the writer that a creature as small as the hen can produce such a tremendous quantity of concentrated food in a neat package during her lifetime; and then upon concluding this productive period may herself become a dish of gastronomic delight.

J. Stanley Bennett
Instructor in Poultry

GARDEN CHAT
FOR FEBRUARY

The long steady cold weather of January has caused many folks to have settled back in their arm chairs and stay close to the fire. It is a good time to be thinking about what varieties of vegetables to plant for 1940. In changing varieties from what you have planted for years it probably would be better to plant only a small amount of the new variety and find out how it may be adapted to your conditions. It may not be any better or as good as what you have been accustomed to. Generally speaking, many of the newly accepted All American varieties acknowledged by most seed houses are worthy of trial in your gardens if you have not already tried them. Some of the newer varieties of merit are included in the following list:

Beans: Green bush, Bountiful, Plentiful, Stringless Green Pod or Valentine; Commodore. Yellow bush: Sure Crop, Pencil Pod Black Wax. Shell: Fr. Horticultural. Pole: Kentucky Winder, McCaslan.

Beets: Early, Early Wonder, Crosby Egyptian, Late, Detroit Dark Red. Cabbage: early Golden Acre, Green Acre, Red Acre, Late, Penn State, Ball Head, Savoy, Red Rock, Chihli (Chinese.)

Cauliflower, Snowball.
Celery: Golden Plume, Summer Pascal, Masterpiece, Giant Pascal.

Carrots: Danvers Half Long, Imperator, Nantes, Hutchinson.

Corn: Golden Early Market, Mar-Cross 6.13, Golden Cross Bantam.

Cucumber: Straight Eight.
Egg Plant, New Hampshire Hybrid.

Lettuce (Iceberg), N. Y. No. 12, N. Y. No. 515, Imperial No. 847, Imperial No. 44, (Butter) Black Seed Tennis Ball, White Boston.

Onions (sets), Japanese or Ebenezer, Golden Globe, (seeds) Brigham Strain or Yellow Globe, Sweet Spanish, White Portugal, Red Wethersfield.

Peas: Laxton's Progress, World Record; (late) Telephone.

Pepper: (Sweet) Waltham Beauty, Windsor-A. (Hot) Hungarian Wax, Squash, Cayenne.

Radish: Scarlet Globe.
Spinach: Dark Green Bloomsdale, Long Standing, Old Dominion, Va. Blight Resistant Savoy, New Zealand.

Squash: (winter) Blue, Golden, Green Hubbard, Golden & Green Delicious. (summer) Conn. Straight Neck, Early Prolific. (fall) Des Moines, Butternut.

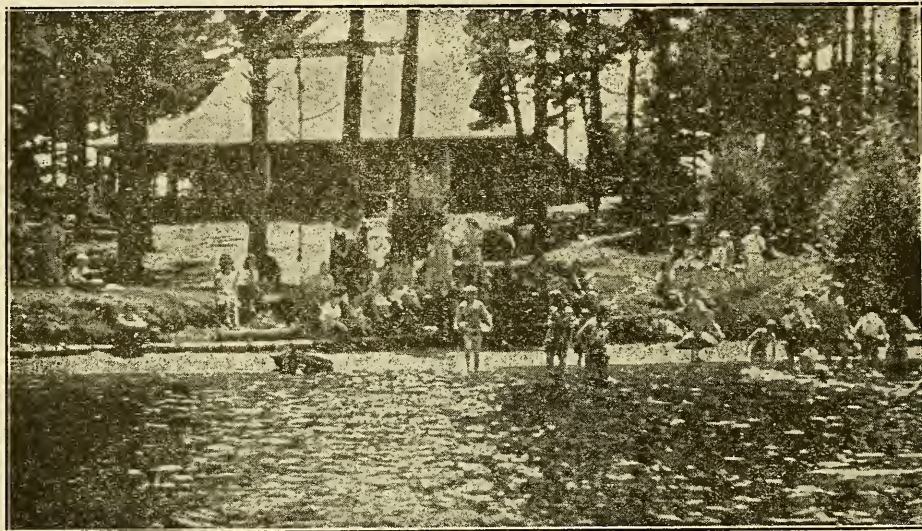
Tomato: (trellis) Comet. (early) Bonny Best, Scarlet Dawn, John Baer. (late) Stone, Marglobe, (yellow), Golden Queen.

Turnip: Purple Top Strap Leaf, White Egg, (Ratabaga) Long Island Improved, Macomber.

C. M. Stearns



4 - H CLUB NOTES



4-H CLUB NOTES

March 15th will be Hobby Night for the Service Club. At that time we will have an exhibit of the members' hobbies. So get yours into shape right away. There will also be an appropriate speaker.

EXHIBITS

Exhibition time is almost here. In fact it is here for the Merrimac Clubs. Wednesday, February 21 is 4-H Club Night at the Grange so the clubs are going to have their exhibit. A fine program has been planned including a 4-H playlet and appropriate dress revue.

The time will soon be here so get your dates in early for exhibits. The sooner you get it in the better choice there will be.

GIRLS' DAY comes this year on Saturday, May 18.

BOYS' DAY will be the following Saturday, both will be held at the Essex County Agricultural School.

The Service Club will serve lunches on Farmers' and Homemakers' Day, March 20th. This has been the custom for several years and the money the club raises at this times goes to further the work of 4-H here in Essex County.

SWIMMING AT CAMP LESLIE

The above picture shows some of the enthusiasm and spirit of all Camp Leslie's programs. Are you going to be with us at camp this year?

Here's how you can compete for that trip.

The drive for funds to purchase the site of Camp Leslie starts on February 16 and ends on April 16, just two months. For Club members both present and past is the "Mile Coin Campaign." Each club member has the opportunity to work for a week's camping free. They will be given a coin card which measures one foot. It may be filled with dimes, nickels, or pennies and the boy and the girl who turns in the largest number of these cards filled and with the largest amount of money will receive a free week at Camp Leslie.

The Club Leaders and Service Club members have a "Talent" program. Each received a one dollar bill and they are to use their talents to increase the dollar as many times as possible. To the one who makes the most, Uncle George has agreed to put \$5.00 with it.

Who is going to have the honor of Uncle George's Contribution?

Our friends in the various Granges and the County Board of Trade have put their shoulders to the wheel to help us purchase this land. Let us each add our bit and feel that we too have had a share in buying our camp.

WINNERS AT BOSTON POULTRY SHOW

More than 40 exhibits were entered by Essex County 4-H Poultry Club members in the 91st Boston Poultry Show held last month at the Boston Garden.

There were 28 live birds, several dozens of eggs, home made poultry equipment and three educational exhibits entered by the members.

A total of \$41.25 in cash prizes, several ribbons, as well as valuable prizes awarded to them by commercial firms.

In the Statewide poultry judging contest Essex County had five boys participating, they were: John Manette of Haverhill; William Goss, Robert Mitchell, and Joseph Maguire all of Lynn; and Boyd Barrett of Saugus. Franklin County won first place while the Essex County team placed fifth.

TREE WARDEN SCHOOL

It is with pleasure that we announce that Gardner Caverly of Ipswich has been awarded the scholarship by the North Shore Garden Club to attend the Tree Wardens School, to be held at the Massachusetts State College March 25-29.

Caverly attended Essex Aggie, graduating with the Class of 1922, and is now Tree Warden for this town.

ESSEX FARMER AND HOME MAKER

VOL. 22

HATHORNE, MASS., MARCH, 1940

NO. 3

New Metals and Metal Alloys

The Greeks and Romans were familiar with a number of metals including iron, copper, zinc, gold, silver, mercury and tin. They made bronze from copper, tin and zinc, and brass from copper and zinc. For many centuries no new metals were added to those in use, although improved processes of mining and smelting made metals cheaper and more plentiful.

In recent times many new metals have been discovered. One of the most important is aluminum. It is a strong, light weight metal adopted to many uses. It finds wide favor as a metal used in making cooking utensils. Because it is both light and strong it is used as metal in the manufacture of Aircraft. Aluminum foil is used extensively in making tubes in which we purchase tooth paste and other commodities.

Another valuable metal is Platinum. It does not rust, withstands high temperatures, and is not attacked by acids. Because of its scarcity the uses of platinum are limited. It is used in laboratory work, in jewelry and in dentistry. Closely related to platinum are the metals iridium, palladium, and rhodium.

Chromium is one of the metals which has come into use rather recently. It is valued because of its silvery blue luster, and because it does not tarnish readily. Chromium is used extensively for plating automobile headlights, radiator grilles, and bumpers. One of the most important uses of Chromium is in the making of stainless steel.

Steel to which small amounts of the metal vanadium are added becomes very tough. It is used for bullet proof armor and buglar proof safes.

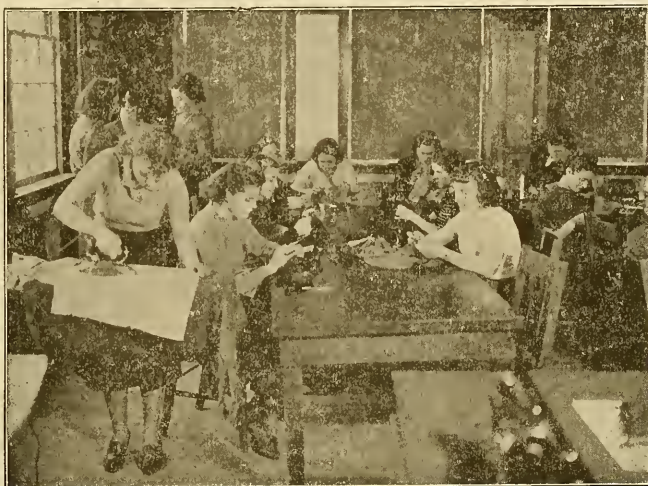
Tungsten is another metal valuable in industry. Added to steel it makes possible tools that keep, at high temperatures and high speeds, a keen cutting edge.

(Continued on page 3, col. 1)

Farmers' and Homemakers' Day

WEDNESDAY, MARCH 20

Although the picture below is not a group of this year's girls yet it depicts the scene which has been a



daily occurrence in the Homemaking Building. The students are busy putting the finishing touches on their suits, dresses, coats and many other articles for the exhibits on Farmers' and Homemakers' Day, which will be on Wednesday, March 20.

Those of you who have been with us in years past we shall be happy to greet and meet you again. To those of you who are planning to come for the first time, we can assure you of a day you will long remember.

The morning program will be held in the main assembly hall starting at 10.30. Miss Eleanor Bateman, Market Specialist for the State Department of Agriculture, will speak on "The Consumers Interest in a well Supplied Market. The second speaker in the morning will be Mr. Erwin H. Forbush of the Federal Land Bank at Springfield, his subject will be "Facts about Finance."

During the noon hour the 4-H Service Club will serve luncheons, cafeteria style. Those who prefer to bring their lunch may get coffee or ice cream here. There will be time to view the various exhibits before the afternoon programs start. The trade exhibits will be in the Gymnasium, the students exhibits of class room work as well as the special exhibits

(Continued in Supplement)

This Spring—Why Not?

Try a "whipped cream" blouse with that all-important suit? Some of these blouses have the most intriguing names — Cream puff, Angel

food, Marshmallow and Eclair, or try a Rosebud, a Dew-drop, a Forget-me-not. Maybe you are of a gambling turn of mind, in that case try Bingo, Raffle, or Sweepstakes.

Try a new gadget or two for your lapel? A miniature urn, a turtle of bright blue leather, a lizard munching flowers, various fishes blowing pearly bubbles.

Try a pair of fleur-de-lis pins, one on each lapel?

Try an initialed fob dangling from two scarlet-tipped hands?

Try a necklace, a bracelet or both of tiny trums and sticks suspended on a red or blue cord?

With a rose tweed suit

1. Rose pink angora sweater.

2. A rose-tweed bag with a wooden frame.

3. Doeskin gloves.

4. Brown suede walking shoes.

With a navy suit

1. Red taffeta petticoat.

2. White eyelet organdy blouse.

3. Lily-of-the-valley lapel pin.

4. A red shirred bag with brass nails.

5. Red suede gloves.

6. Heavy calf pumps.

With a gray suit—buttercup yellow accessories.

Try a narrow white belt studded with colored stones.

Try rows of wooden beads for a necklace or some pottery fish.

Be sure that you have a perfect-fitting foundation garment before starting to buy.

Remember that you always have one ensemble that needs spotless white gloves.

Remember that shoes are important this spring. Much patent combined with garbadine or faille. Many medium heels. Cool cut-outs. A defi-

(Continued on page 3, col. 2)

Essex Farmer and Homemaker

HATHORNE, MASS.

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BEEKEEPERS URGED TO INSPECT COLONIES

Prompt disposal of bee hives containing dead colonies may help to prevent the spread of the serious bee-disease, American foulbrood, in Massachusetts, as bees start their first spring flights, says Burton N. Gates, Chief Inspector of Apiaries in Massachusetts.

Mr. Gates points out that the past winter has been especially hard on honeybees, and that the first job of the beekeeper in the early spring is to make sure each colony is flying. Mr. Gates recommends removing the hive of any dead colony to a tight building which bees cannot enter, as a precaution against the spread of American foulbrood. Bees should not be allowed to rob a dead hive, as they may next overpower a living one.

"Furthermore," says the apiary inspector, "more American foulbrood is probably spread through robbing at this season than at any other time. A single diseased hive, exposed with honey in it, may infect healthy colonies anywhere within two miles."

Neither the hive nor the combs of a dead colony may safely be used again until they are known to be free from American foulbrood infection, continues Mr. Gates. "The hive parts may be sterilized, but it is more economical to burn the combs and replace them."

GLASS COOKING UTENSILS

Recently Mrs. Mary M. McIntire, Home Demonstration Agent for Essex County gave a talk over the radio on the purchase and care of cooking utensils. The following is an excerpt from that talk.

Selection and Care of Glass Cooking Utensils—"Glass cooking utensils both the baking ware and the top of the stove utensils which can be used directly over the flame, have become so much a part of everyday living in the United States that information on their care is perhaps unnecessary." Just use plain soap and water," is what most women say.

However, dishwashing time will be greatly diminished if all glass baking dishes are well greased before using. Also in cases where foods are accidentally burned onto the dish, soaking the dish in warm water to which baking soda has been added full effectively loosen the charred food and leave the glass clean and sparkling. Use three tablespoons baking soda to one quart water. In hard water regions, it is sometimes advisable to add two tablespoons of strong vinegar to the bottom of a glass double boiler, then fill it up with water, and boil gently a few minutes to loosen the white deposits.

Avoid using any abrasives which might scratch the glass. It is well to mention that while glass cooking utensils will stand considerable abuse, glass cooking dishes are not unbreakable; there are limits of rough handling to which they cannot be subjected without possible damage to the ware.

A glass dish may be transferred directly from the refrigerator to a hot oven. However, a good general rule to remember is: Different portions of the same dish should not be subjected to wide differences in temperature. As an example, do not pour water, or other liquids, into a hot glass dish; the suddenness with which the inside layer of the dish contracts when water is poured into it is apt to cause breakage. For the same reason, never handle a hot glass dish with a wet cloth, never set a hot glass dish in a wet sink or on a wet table. If a heat resistant glass dish designed to be used directly over the flame accidentally boils dry, do not add water until the dish cools. Always put food, water, or fat in a glass dish before heating it; empty glass dishes should not be left on hot burners. In other words, glass cooking dishes can withstand high temperatures but different portions of the same dish should never be subjected to sudden changes.

American foulbrood is under control over a large part of the state, and through cooperation between the State College and the State Department of Agriculture, beekeepers hope to extend this controlled area during the coming summer.

BUILD UP YOUR VITALITY AFTER THE HARD WINTER

With winter now definitely on the way out, everyone thinks about the drain on the vitality that the extreme cold, treacherous ice and northern winds have caused.

Summertime is a "build up" time. Gentle breezes, fresh vegetables and luscious fruits give much needed vitamins, minerals and nutrients to repair the ravages of winter.

But you don't have to wait for summer to start repairing the winter's damage to your system, especially when there are available plenty of good fresh eggs, crammed full of goodness, mixed with plenty of natural minerals and vitamins. Eggs are one of the finest "build up" foods.

And best of all, springtime is egg time! Eggs are plentiful. Eggs are cheap. So why wait for summer when EXTRA EGGS will give you a lot of "build up energy" now.

Eggs are a protective food because they supply vitamins A, B, D, and G, necessary iron, phosphorus, calcium and fats, as well as proteins to build, maintain and repair the body structure. An egg a day is a good rule. They combine well with other foods and therefore seldom become monotonous. Eggs are important in the well-balanced diet.

The egg is a most versatile individual. It can do at least eight distinct things in cookery. It can leaven, by forming bubbles; it can interfere with crystallization; it can emulsify; it can thicken; it can coat; it can bind; it can clarify; it can garnish.

To carry out this idea of increasing the use of eggs, a special producer-consumer "Springtime Egg Festival" this spring is seasonal and timely. Egg quality will be at its best; production will be at its peak; prices will be low. So give fresh eggs a break; Serve them often!. Serve them right!

Within the past few years, the glass industry has made great contributions, telescope discs, glass building blocks, railroad safety signals, and not the least of these triumphs are such everyday utensils as the heat resistant glass custard cups, for sale almost everywhere at five and ten cents, or the glass casseroles that bring steaming meat pies to dinner tables, or the glass saucapans which take the guess work out of making dumplings.

Some features of glass utensils are:

1. Foods can be cooked, served and stored in the same glass utensil thus saving time and effort.

2. Foods can be watched through the transparent sides of glass cooking dishes while the cooking process is going on and thus failure caused by scorching or undercooking are minimized.

3. Less storage space is needed and less cost is involved when one dish is used for both cooking and serving.

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

MARCH, 1940

STUDENT EDITORS

Homemaking Department

Ruth Bessom '40	Marblehead
Doris Call '40	Newburyport
Harriet Dunkason '40	Methuen
Kathleen McCarthy '40	Peabody

AGRICULTURAL DEPARTMENT

John Ambrefe '41	Beverly
George Banks '41	Saugus
Howard Bacon '41	Lynn
Harold Jones '41	Danvers
Preston Lee '41	Peabody
Warren Brown '41	Salem
Peter Venti '41	Danvers
Robert Landry '41	Gloucester
Henry Lay '41	Merrimac

MEMBER OF FACULTY AND STUDENTS ENTERTAIN

On Tuesday evening March 5, Mrs. Dunn gave a talk on "Spring Fashions and the Value of Knowing How to Construct Them", in the new school auditorium in Middleton for the Parent-Teacher's Association. Several of our girls went with her to model their dresses. They were Patricia Kelleher of Beverly, Page Gifford, of Middleton, Edith Boissonneault of Middleton, and Ilene Briggs of Beverly. Mrs. Dunn also used dresses made by Seniors, Juniors and the High School groups to bring out certain construction points. Appropriate accessories for these costumes were worn and shown with them. Coats, suits, wool dresses, evening gowns and their accessories were shown by Mrs. Dunn. Included in her talk were the satisfaction derived from using one's hands, and more specifically the economy of making one's own clothing.

H. A. D.

ECHO CLUB

There was a business meeting of the Echo Club on Wednesday March 13, in the assembly hall in the Homemaking building. Club plans for the rest of the school year were made.

R. B.

Japanese beetles are so discriminating that field workers of the United States Department of Agriculture are planning to paint beetle traps yellow this year, as a result of tests last year which showed that the yellow traps are much more effective. They expect to catch 50 per cent more beetles in the yellow traps than they did in the green and white ones.

LETTER WRITING PROJECTS

The Freshmen and Juniors have pursued letter writing projects in collaboration with their English work. First, as a background, they study the most suitable size and color of paper, the correct colored ink, the different letter forms, and the parts of a letter, along with paragraphing and punctuation. They then begin writing their letters.

The Freshmen studied different types of friendly letters including the social letter, the bread-and-butter letter, the thank you for a gift and the superscription. The Juniors work is a little more advanced and includes invitations and notes only. They wrote informal invitations with correct refusals and acceptances, then formal invitations and acceptances and refusals. In writing notes they had to offer sympathy, congratulations and condolences; and they also learn the correct use of visiting cards.

After all this work, they gather their letters, notes and additional information together and make a notebook such as were made in Freshman Art. These projects are then passed in and graded. In this manner they have a lot of fun and learn a great deal about something for which they will have future use.

Many of these notebooks will be on display in the Library in the Homemaking Building on Farmers' and Homemakers' day.

D. C.

FARMERS' DAY

(From page 1, col. 2)

of foods will be held in the Homemaking Building.

The Homemakers have an interesting program planned for the afternoon in the Homemaking Building. Miss Agnes Carr, feature writer for the Boston Traveler will speak on "Where Happiness Is". This is the same subject as her new book which contains about 160 of her poems.

Miss Amy P. Morse of Lexington has chosen for her subject "What is This Modern Art"? Miss Morse is a former Assistant Professor at the University of Minnesota and was formerly Head of the Art Department at the University of Tennessee.

For the men there are several sectional meetings, Fruit and Market Gardeners will have three speakers, William D. Marsters of the New York and New England Apple Institute; Willard A. Munson, Director of Extension, Massachusetts State College;

SENIOR-ALUMNI MEETING

On Tuesday afternoon March 5, the Seniors of both the Homemaking and Agricultural Departments met with the Alumni in the Assembly Hall of the Agricultural School. The purpose of the meeting was to have the former students of the school meet the Seniors, who are soon to become members of the Alumni. A very enjoyable program was carried out. Songs were sung and games were played at the beginning of the afternoon and were followed by a Prof. Quiz contest. Participating in the contest were five members of the alumni and five seniors, with Kay Johnson of the Class of 1938 as Prof. Quiz. The seniors won by a score of 94 to 62. The judges were Miss Moore, Miss Harris, Mr. Stearns and Harold Dowding from the Alumni Association.

Mr. Melville G. Grey, an alumnus and president of the Board of Trustees spoke to the Seniors about the alumni and explained the activities of this organization. Others introduced to the gathering were Director Fred A. Smith, Miss Moore, Mr. Mosstrom and Arnold Hebert, president of the Senior Class, all of whom spoke about the importance of the alumni to keep a good standard for the school, and the good work it was doing by carrying out various programs.

The alumni members were then introduced to the Seniors.

Refreshments, consisting of sandwiches, fruit punch, and cookies were served. For the rest of the afternoon dancing was enjoyed.

The program was capably directed by Horace J. Shute, Secretary-Treasurer of the Alumni.

K. McC. and W. B.

and Louis A. Webster from the Division of Markets.

For the Poultrymen there will be the Annual Baby Chick Show and for their meeting they will have the pleasure of hearing Prof. John C. Taylor, Assistant Extension Poultryman at Rutgers University.

The Dairymen have planned a very full program with five speakers: Prof. Ralph Donaldson and Prof. John G. Archibald from the State College, Jewell Woodsum of Amesbury, Albert A. Colley, Beverly and Prof. Roy Moser from the State College will show his film on "Farm Management" and there will be a panel discussion. The general theme for the whole program will be "Grass Silage."

AGGIE CHECKER TOURNAMENT

With 49 boys taking part, the Aggie Checker Tournament under the supervision of Assistant Coach James N. Cole, is ready for the final games which are to be played between John Ambrefe of Beverly a Junior and Charles Currier a Senior, who hails from Middleton. The final games will be two of three.

Ambrefe reached the finals by defeating Raymond Barlow, Newton Henriksen and Christy Mpelkas; while Currier scored victories over Robert Meier, Irving Barter and Arthur Nicholson.

BOXING AT ESSEX AGGIE

Several fine boxing bouts were held in the Gymnasium during the month of February. This method of recreation sponsored by Mr. Cole, met with wholehearted approval of the students and matches were held almost every noon.

R. L.

PROJECT PLACEMENTS

About this time of the year the student body begins to grow smaller as the first students are released for their summer projects. Three Seniors are among those who are securing early releases.

Arnold Hebert has secured a position with a seed house in Boston.

Donald Herron is leaving for Litchfield County, Connecticut, where he will do herd testing work.

Edward Mitchell has secured a position with Horack, a florist in Lynn.

We all wish these fellows luck and hope that they will find success in their projects.

David Irons

NEWS FROM FLORIDA

The following are excerpts from a letter Mr. Gifford received recently from Aubert Giles of the class of 1939 who has been at Lake Worth, Florida since early fall, but expects to be North for the summer.

"We had over a week of cool weather during the middle of January. The temperature went down to freezing two nights. Many of the shrubs and trees suffered from the freeze. The beautiful Royal Palms lost about half their fronds, but, by June everything will look the same again. The weather is now back to normal. The water temperature never is below 65 degrees F. and the night temperature ranges from 58 to 65 degrees F.

I have seen so many interesting and wonderful things during the last four months, among them a visit to a pineapple plantation. I have been fishing twice and I managed to land a large Tuna and a four hundred pound sand shark.

I plan to return early in March."

PUBLIC SPEAKING

The Essex County Agricultural School Public Speaking Team went to Walpole, where they competed against Norfolk and Bristol County Agricultural Schools. Our team placed second and fourth out of eight speakers. Christos Mpelkas of Lynn placed second and John Ambrefe of Beverly, fourth. First prize went to Joseph Hines, of Norfolk School. His talk was titled "The Little C in My Education". Mpelkas took for his subject "The Importance of Vocational Education". Bristol School took third place, with Benjamin Smith giving the talk "The Farm Woodlot".

The three contestants ranking highest in the contest will represent the County Schools District at the State Contest to be held at Jones Library, Amherst, Friday evening, March 15. The alternate, the fourth prize winner takes the trip but does not qualify to speak unless one of the first three winners for any reason is unable to take part.

J. A.

MODEL RAILROADING AS A HOBBY

Perhaps the most enjoyable and yet the most nerve racking of all hobbies is "Model Railroading", or as some people put it, playing with trains. This statement is alright in a way, but any hobby that involves hundreds of dollars and uncountable hours of labor, is not to be called playing with toys. Hundreds of men and children; yes, and even women have this as their hobby.

Model railroading is the same as real railroading. It is operated on the same plan, even to: blocksystems, automatic signalling, etc. Miles of wire are necessary for the operation of a perfect model system. This hobby requires skill and good nerves as well as patience. Recently an exhibit of the cars, locomotives and material was put on at the School library by Robert Bertram of Salem, Secretary of the North Shore Brotherhood of Model Railroaders.

R. E. B.

EASTER LILY

The custom of decorating the churches with flowers for the Easter Service has become general and a Bermuda Lily, *lilium longiflorum*, which blossoms in the Spring, is used so largely that it has come to be known as the Easter Lily.

It was during the Civil War that many of the churches began to observe Easter. So many boys were killed and so many homes were made desolate that the churches strove to bring all the consolations of religion to the comfort of the bereaved.

In the Presbyterian churches first, and in the others later, the Easter season was selected for reminding those in mourning, whether widow, mother or orphan of the promise of resurrection in the story of the Risen Christ. There is a legend that everywhere that Christ walked, Easter Lillies sprang up from the ground to prove His Holiness.

H. B.

F. F. A. NOTES

The Essex Chapter F. F. A. were hosts to the Echo Club at an informal entertainment held in the Assembly hall on February 23. Mr. Val Evans of Peabody enlivened his entertainment with magic and bright remarks which caused much laughter.

A large number of Echo Club and F. F. A. members enjoyed dancing after the entertainment.

COUNTY FARMERS F. F. A.

The following having qualified for County Farmer degree were presented pins by President David Irons on February 29, Thomas Blanchette, Edwin Hull and William Mahoney of Salem; Henry Britton, Byfield; Albert Noyes, Georgetown; Francis Carey, Gerald Pelletier and Emile St. Pierre of Lawrence; Rupert Jenkins and Richard Peaslee of Middleton.

ALUMNI NOTES

Florence Hirst, class of '36, was married last June to Alfred Gagnon. They are now living in Washington, Rhode Island.

Mary Lafond, class of '38, is working at the mills in North Andover, doing pantographing.

Hattie Martin, class of '38, is inspecting cloth at the Pacific Mills in Lawrence. She is also doing dress-making at home.

R. B.

The dairy cow population of Massachusetts was the largest January 1, 1940 recorded since 1926.

AUTO MECHANICS

Mr. Everett Lee, the Service Manager of the Danvers Motor Company, is closing his annual course in Auto Mechanics at this School. This course gives the boys an opportunity to obtain a practical knowledge of automotors as well as repairing their own cars under the capable supervision of Mr. Lee. Thirty-six boys have benefitted from this course so far at the end of the fifth week. Twenty cars, the caterpillar tractor, the two power lawn mowers and the school trucks have been overhauled and repaired.

Donald Herron

ESSEX COUNTY VEGETABLE GROWERS ORGANIZE

At a meeting held at the Essex County Agricultural School on March 1, the Vegetable Growers of Essex County formally adopted by-laws and elected officers in the newly formed Essex County Vegetable Growers Association.

The object of the Association shall be, the mutual advantages which arise from such relations and intimacies as exist between the members of all standard, social and business organizations, through which information of much value may be disseminated among the members, and firmer and more agreeable business relations become established wherein in all may unite for mutual protection and benefit.

The membership shall consist of growers of vegetables and produce for market.

The following officers and members of the executive committee were elected: President, Stafford Henigar of Danvers; 1st. Vice-President, Harry Cole, West Boxford; 2nd. Vice-President, Charles E. Holden, Peabody; Secretary, Calton Cartwright, Danvers; Treasurer, Carleton M. Stearns, Danvers; Executive Committee for one year, John Travers, Georgetown; two years, Carl Kiley, Peabody; three years, Roger Lewis, Andover, four years, W. Hobart Clark, Danvers.

The association has also voted to affiliate with the newly formed Massachusetts State Federation of Vegetable Growers' Associations.

The representatives elected to the State Association for the ensuing year are:

Calton O. Cartwright, Danvers; Charles Reynolds, Peabody; W. Hobart Clark, Danvers; and alternate representatives elected were: Carleton M. Stearns, Danvers; Harry Cole, West Boxford; and Joseph Sylvester, Danvers.

With only about half of the membership committee reporting there are 79 paid up members at the present time.

NEW METALS

(From page 1, col.1)

Where tungsten is used for the filaments of electric lamps the same light is given with one third of the electricity used by the old carbon electric lamps.

Radium and its compounds have gained a prominent place in the treatment of cancer. Much is still to be learned about radium and its parent metal uranium.

There are other metals known which as yet have been made to serve no useful purpose. For them inventors and chemists will probably find a place in industry tomorrow.

Constance Lovett

ESSEX COUNTY POULTRY ASSOCIATION

The Essex County Poultry Association met at Wheelers' Restaurant, Danvers, Mass., on Wednesday, February 7, 1940. 85 members and guests enjoyed a roast beef dinner.

The business meeting was called to order by Pres. Ackerman at 8.00 P. M. Announcement was made that the Eighth Annual Baby Chick Show would be held Wednesday, March 20, 1940 as a feature of Farmers' and Homemakers' Day at the Essex County Agricultural School, Hathorne. Classes will be announced at an early date. Reports of the Secretary and Treasurer were given and approved.

Mr. J. J. Warren of North Brookfield was introduced as the guest speaker. Mr. Warren discussed specifications of an ideal breeding flock and included inherent characters necessary for high production of high quality eggs, low mortality and longevity, and immunity from diseases. The poultryman today expects a great deal of his hen. A strain of poultry 100% pure for ALL good quality cannot be developed in the lifetime of one poultry breeder. Many troubles can be prevented or controlled by good feeding, housing and management. Early hatched chicks seem to be less subject to crooked toes if given a deep litter, warm floors and uniform temperatures. Coccidiosis and paralysis are likely to be much more serious problems where good care and management are not followed.

According to Mr. Warren strains of poultry that are now producing over 200 eggs per bird per year require very careful feeding in order to insure high hatchability and vigorous, healthy chicks. Heavy feeding of whole or scratch grains supplements that supply liberal amounts of vitamins are required especially in December and January.

Many questions were asked Mr. Warren who remained until the last gun was fired. Mrs. Warren accompanied her husband and acted as copilot or navigator in following the cross-country route from North Brookfield to Hathorne.

John E. Miltimore, Secretary

THIS SPRING

(From page 1, col. 3)

Remember that for the coming warm weather, your sports costume will be casual, but not sloppy. Short full skirts, some just to the knee, others as short as a ballet dancer's. No matter which length, they will have through gores or gathers, much width.

Look forward to a lot of brilliant red used alone, or in striking combinations in everything from shoes through playsuits, slacks and bathing suits.

Anna J. Smith

GARDEN CHAT

The soil plant food might be compared to the Savings Bank account—If we keep taking crops out from the soil there will come a day when the food, like the money in the bank, has been completely depleted. What are you using for your vegetable crops in the line of plant food?

When manure is added to the soil, not only plant food has been added but its presence aids in the retaining of soil moisture which helps in the transposing of plant food into a soluble form so that plants may be able to assimilate their required food necessary for plant growth. Plant food in manure becomes available slowly during the growing season and should take care of the average needs of the plants growing on that soil. Where manure is used, it should be applied at the rate of 20 tons to the acre or 2½ tons per house lot of 50' x 100'. Manure is short of phosphoric acid and therefore a supplementary application of 1000 lbs. per acre of superphosphate or 125 lbs. for the house lot plot should be added.

If manure is not available for use, the grower should plan to use green manure crops such as rye, to add the organic matter that is so much needed in the growing of good crops of vegetables. In addition to the green manure crop, one should use a ton of a 5-8-7 fertilizer per acre, or 250 lbs. per 50' x 100' house lot. When the needs of certain crops require more nitrogen, phosphoric acid or potash supplementary applications can be added in the form of nitrate of soda, superphosphate or muriate of potash, respectively for each of the needs as just listed.

There is just as much importance in knowing the needs of plants as there is in knowing the needs of animals and human beings. We hear of people, who eat too much pastries or what not, becoming too stout and by eliminating certain kinds of food the extra weight could be eliminated. Similar results can be realized with plants. Keep in mind that nitrogen makes for leaf and plant development, phosphoric acid makes for fruit or pod development, and potash makes for color, root growth and strength of stalk.

Growers cannot expect to keep yielding good harvests without restoring plant food for the needs of the plants growing in the soil. Yes, there is another true and sound saying: "You get as much out of anything as you put into it." If you do not add plant food and in the right amounts, how can you expect to take any crops out?

C. M. Stearns

Coloring Easter eggs has been a fine art for many centuries in sections of the Ukraine.



4 - H CLUB NOTES



FAIR DATES

It may seem early to some of you to be printing the dates of the Fairs in our state, but already plans are underway here at Essex Aggie for our part in the Topsfield Fair next fall.

Some of our friends like to plan their vacations so that they may spend a day or two at some of these fairs. For them we are printing the following list:

Marshfield, Aug. 21-24
Heath, Aug. 28
Middlefield, Aug. 30, Sept. 3
Spencer, August 31, Sept. 2
Blandford, Sept. 2-3
TOPSFIELD, Sept. 4-8
Bridgewater, Sept. 5-7

Northampton, September 5-7
Brookton, September 8-14
Greenfield, September 8-11
Eastern States, September 15-21
Cummington, September 24-25
Sterling, September 25
Littellville, September 27-28
Segregansett, October 2-4

RED LETTER DAY FOR SERVICE CLUB

March 20th is to be a red letter day for the Essex County Service Club. Why? Because first of all its Farmers' and Homemakers' Day at the Aggie and that means the time when the Service Club serves lunch to the many visitors.

A group of the members are going to set things up the day before to be ready on the Big Day.

An exhibit will also be arranged to show the various phases of 4-H Club work as well as Camp Leslie.

Secondly: In the evening the postponed February meeting of Service Club will be held. The 4-H Leaders will be guests of the organization on this occasion. A fine program has been planned which will include an initiation service for the new leaders as well as a ceremony to honor those leaders who have completed ten years of service.

Carl B. Wetherell, Executive Secretary of the Young Men's Christian Union in Boston will be the speaker of the evening. This will be followed by recreation and refreshments.

So you see why the day March 20th is a Red Letter Day in Essex County Service Club,

CAMP LESLIE

In our last issue of the Farmer and Homemaker we told you that the campaign for funds for Camp Leslie would be from February 16 to April



16. The weather the past few weeks decreed otherwise.

At a meeting of the Trustees and some interested friends of the Camp, it was decided that the Campaign would open on March 20th and run if necessary into early May.

To those of you who had the privilege of attending Camp last year, we are counting on you to help us raise the money so that you and many other 4-H'ers may have the opportunity of spending part of your summer vacations at Camp Leslie.

Have you taken some of the "Mile of Coins"? That is the way that the 4-H Club members are aiding by filling and getting their friends and relatives to fill these cards.

Don't forget if you are the lucky boy or girl who works hard and gets the largest amount of money in your coin cards, you will go to Camp for a week this summer with your expenses paid.

So Let's Hop To It and see who will be the winners. If you haven't any coin cards see your Leader she will supply you. Leaders, if you need more coin cards there are more here at the County office. Just ask for them and we will see that you get them "pronto."

"Let's all talk Camp Leslie to our friends and acquaintances for the next month and get them really interested in our 4-H Camp!"

The American Indian "Hill" system of agriculture provided a maximum amount of attention for each plant.

NATIONAL MUSIC WEEK

National Music Week this year is May 5-11. If your exhibit comes at this time it would be especially appropriate to feature a musical program of folk songs,

folk dances, or composed selections from adventures in American Music.

THIRD LECTURES TO BE GIVEN

Allen Cruickshank, a lecturer of the National Association of Audubon Societies, has been secured for the 4-H Service Clubs and Leaders, May 6-11. Mr. Cruickshank will give one of his famous lectures and show colored movies and slides.

Middlesex and Essex Counties are

planning to have their meeting together and it will be in the Harold Parker State Forest Reservation on Friday, May 10.

You will hear the detailed plans for this meeting at a later date.

ATTENTION LEADERS!

The time is nearly here when your club will be holding their exhibit. We at the County office would like to have the date of your exhibit just as soon as possible. So please send them in.

RE-SEED LEGUMES TO INSURE 1940 CROP

Massachusetts farmers will do well to consider re-seeding their fields of clover and alfalfa during March before the frost is out of the ground, to insure a good stand this year, says Ralph W. Donaldson, Massachusetts State College agronomist. Mr. Donaldson points out that the severe cold of the past winter may have killed summer and fall seedlings, but that it will be impossible to tell for sure for several months.

"If the seeding is repeated while the surface is damp to catch the seed," Mr. Donaldson points out, "that is, during March, then the only cost will be the extra seed. If, however, farmers wait to see whether the earlier seeding has survived, and then have to re-seed, they will probably have to re-work the ground. Therefore, re-seeding the land during the next few weeks is the cheapest insurance of a legume stand during the coming season."

ESSEX FARMER AND HOME MAKER

VOL. 22

HATHORNE, MASS., APRIL, 1940

NO. 4

Beekeeping News

HEAVY WINTER LOSS OF BEES: The last thorough cleansing flight for the bees occurred early last December. From that time until the time of this writing, March 22, 1940, the bees have been confined in the hives by winter weather of unusual snow fall and continued cold. Many apiaries are still covered with several feet of snow. The snow is added protection, but the long confinement has resulted in accumulated feces so great that many cases of dysentery are occurring. The bees are dying in the snow in futile attempts to fly. Considerable loss of bees has already occurred and it is expected that the loss will be unusually severe. Only weather warm enough for successful bee flight can save the bees that are still strong enough to survive, while many colonies will dwindle and die regardless of weather or the efforts of the beekeepers to save them.

EMERGENCY CARE: As long as temperatures are too low for bee flight the bees should not be disturbed. It would be useless to remove the snow from the hives until bee flight weather occurs, and then it will help to shovel it away from them for several feet in front of the hives, and see that the entrances are open and free from dead bees. Straw or shavings spread freely on the snow for several feet in front of the hives will afford safe landing for many bees which would otherwise be lost in the snow on the first attempt to fly.

The winter packing must not be removed until about the time early fruit blossoms occur in that locality. To remove the packing before that time may result in the loss of brood and a consequent setback to the colony. On the first flight day a general outside examination of the whole apiary should be made. The entrances of dead colonies should be closed bee tight to prevent robbing and the possible spread of bee disease. As soon as possible move colonies into the shop and carefully examine them for American foulbrood. Diseased combs should be burned at once, and the hives scorched by fire on the inside. Combs from disease-free hives may be used to supply stores and room to needy colonies, and should be closed to prevent damage by mice until needed. Colonies adequately provided with honey last fall will need no attention until after they are packed. If, however, it is desired to determine the amount of stores or the strength of the colony, the top packing may be removed for the examination and then replaced. If stores are needed empty combs may be removed from the colony and exchanged for

(Continued on page 2, col. 2)

Christos Mpelkas Wins

State Public Speaking Contest

Christos Mpelkas, a freshman at Essex County Agricultural School was the winner in the elimination contests at Amherst in March.

The Future Farmers of America, a national organization of vocational agricultural students, sponsors a national prize speaking contest. Preliminaries for this contest are being held all over the United States and in the territory of Hawaii and in Porto Rico, where Future Farmers of America chapters exist. The local chapter of the F. F. A. is at Essex County Agricultural School and for over ten years the students here have been participating in these contests, and have been State winners four times.

The winner this year Christos Mpelkas, a graduate of Lynn Classical High school entered Essex Aggie last September and became interested in public speaking. He took for his subject, "The Importance of Agricultural Education".

There are two more steps in this F. F. A. Public Speaking Program, first, the Regional contest, to be held at Springfield in September, among contestants from thirteen Northeastern states; and then the final contest which will be held at Kansas City, Missouri, in October in connection with the Annual Convention of the Future Farmers of America.

We all wish for Christos Mpelkas success in the two coming contests.

G. E. G.

NEW MOVIE PROJECTOR

A new 16 mm. Sound Projector has recently been added to the school equipment which fills a long-felt need. This machine, one of the latest type "talkie" projectors, is being used extensively to visually present much material to the students at assemblies and to liven and add interest to evening extension and 4-H meetings.

It is also available for the use of any club or organization in the county at a minimum charge which covers depreciation of the machine and the operator's expenses.

Many types of films—educational, sports, features, travel, religious, and comics—may be had at a little charge, so that an excellent evening's program may be arranged with but little cost to the group.

Bookings may be made or more information obtained by addressing either H. M. Partridge or R. E. Knowlton, care of the school.

Horticultural Notes

Many and varied are the questions which come to the Instructors at the School at this time of the year. Perhaps a few notes from Instructor H. Linwood White's notebook will aid many of you with some of your problems.

FLOWERS

Warm basements may be used for starting seeds provided windows are full size and face the sun. Heat is sometimes allowed to pass from a cellar through a pane window into a small glass-covered frame attached to the house. Some warmth is helpful to young seedlings but sunlight is absolutely necessary. The average cellar window is too small, recessed and close to the ground to be of any use in growing annuals.

Bachelor buttons, Calendulas, Calliopsis, cosmos and china pinks are all quite hardy and may be sown directly in the garden by early May. Sweet peas are best planted a month earlier. By the time the ground is warm about June first, Marigolds and Zinnias are sown outside and will grow rapidly and bloom from August to frost. Nasturtiums and Candytuft can be sown at this time.

AFRICAN-VIOLET

The African-violet resents the dry air of the average home. It appreciates a glass home, as a terrarium with other plants, or, alone under an inverted goldfish globe. A little air, water to keep soil moist, not wet, and light without sun suits this particular wildling. The flowers will fall if you give it too much water to keep the soil moist.

FUCHSIA

The Fuchsia is a shrub, blooming most of the summer provided its water supply is constant and copious, drainage certain, and a weekly feeding given of around a half teaspoonful of a 5-8-7 fertilizer to a 5 inch pot.

Put the plant in a light cool place in October to rest until February. Water only enough to keep the leaves green and wood plump. Prune to shape, shift to a larger pot if necessary, water thoroughly once and wait for new growth to appear before regular waterings are resumed.

POINSETTIA

Poinsettias everywhere heed the call of spring, faint though it be, and send forth shoots like any good shrub. Prune the old wood if necessary to shape the plant and induce low growth. Repot now in fresh sandy soil if available. Give the Poinsettia all the sunlight possible, turning the plant a quarter way round each day or so. Resume watering but water thoroughly once in a while rather than

(Continued on page 2, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

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LAUNDERING RAYON FABRICS

Rayon has outgrown the need for special coddling in laundering. It is now less sensitive than silk in that it is not yellowed by strong soap, water softeners, hot water, sunshine or age, and white rayon can be bleached occasionally.

Soaking is unnecessary, a five minute run in a machine, using mild soap with luke warm water is the most satisfactory formula. As second suds insures a clear color.

To wash rayon by hand simply squeeze sudsy water through and through it from three to five minutes. Press out the water between your hands.

For the first rinse use only enough water to dilute the suds. Then follow with two generous rinses both luke warm. It is best to dry rayons indoors.

Iron on wrong side, then touching up hems and heavy parts on right side insures the nicest finish.

Acetate rayons present the only real ironing problem, because they stick to an iron that is too hot and melt instead of scorching.

Always iron any rayon garment with caution as one is not sure what type of rayon it is.

Myrtle R. Dunn
Clothing Instructor

BEEKEEPING NEWS

(From page 1, col. 1)

combs or honey, or a feeder containing sugar syrup may be given. It is useless to feed a colony which is dwindling rapidly and expect it to survive. Only colonies which produce young bees more rapidly than the overwintered bees die will regain vitality lost during the winter.

Many colonies will be too weak to harvest a profitable clover honey-crop without help from the beekeeper. Two or three pounds of package bees, purchased in the South, added to each one of such colonies in late April or very early May would be a profitable investment. Combs from dead colonies may be restocked with package bees, also. Weak colonies may be united with strong colonies and thus provide additional room and stores for the strong colony, while all failing queens should be replaced as soon as possible.

FEEDING THE BEES: Colonies having sufficient honey and pollen carried over winter will not be benefited by feeding. When the food supply in a normal or strong colony falls below fifteen pounds, brood-bearing may slow down and colony development greatly retarded. Such colonies should be fed. Honey purchased on the market should never be fed to bees because the danger of American foul-brood infection. A syrup made of about equal parts of granulated sugar and water seems to be best. Any feeder on the bee-supply market may be used, but if the weather is too cool for the bees to fly they may not take syrup from the entrance type of feeder. The five or ten pound honey pail with several small holes in the cover is a popular feeder among beekeepers. The openings should not be larger than that made by the point of an ordinary nail. To feed the bees fill the pail with syrup and invert it over the cluster of bees, on top of the frames or over the opening in the cover, and cover warmly and protect from the weather. The feeder should be filled as often as the bees empty it, and continued until the bees have stored sufficient syrup in the combs or are getting a supply from flowers.

This material was prepared by George H. Rea, Extension Bee Specialist, State of New York.

CORN EAR WORM

Corn Ear Worm has become increasingly a menace to sweet corn growers. Most of the top crossed sweet corn have tight husks which help them to resist corn ear worm. One of the outstanding varieties in this particular is the "Carmelcross". This is also sometimes listed as Marcross 39.13.

F. C. Smith

HORTICULTURAL NOTES

(From Page 1, col. 3)

often, until there is foliage enough to use it. A bushy plant is assured by "topping" the new growth while it is only a few inches long. Merely cut out the growing tips of such branches as are running away. Do this until midsummer or until a well rounded plant has been developed. Then let growth mature and set flower buds. Light summer feeding is beneficial and an outdoor situation desirable.

CHRISTMAS CACTUS

The Christmas Cactus known to many older people as the Lobster Cactus is a dweller of the tree tops in the Brazilian jungles, and, as such, enjoys shade and high humidity, with only accumulations of leaves, bark, and twigs about its roots. Plantsmen have taught this Cactus to live and bloom in a pot of soil where it makes a root system of a sort. A rough soil full of organic matter such as leaf fold, well drained but moist, suits it best. A turn in a moist shady spot in the garden summers puts new life into the Christmas Cactus, and enables it to store up energy for blooming. Letting the plant get dry at times during October and early November serves as a resting period, following which flower buds set. From then on the Cactus is very exacting as to water. Too much water at the root causes buds to drop and dryness must likewise be avoided.

ATTENTION APPLE GROWERS

Prof. W. T. Thies, Extension Specialist of the Massachusetts State College is interested in securing scions of some of the old apple varieties, such varieties as: Autumn Strawberry, Bailey Sweet, Bottle Greening, Cat Head, Congress, Dudley, Fall Harvey, Fall Senetting, Gideon, Golden Pippin, High Top Sweet, Holden, Jacob Sweet, Mathews Stripe (Lyscom) Minister, Nothead, (Jewett), Ralls, Rolfe, Oliver (Senator), Sops of Wine, Washington Royal, Winter St. Lawrence.

The College desires to test these old varieties in the experiment station and compare with present day varieties and conditions. If you have any of the above varieties contact your County Agricultural Agent, Francis C. Smith at the Essex County Agricultural School.

Mildred Day Chambers '36 and Melvin Chambers a former student are the proud parents of twin daughters born in February. They reside on North Main Street, Ipswich.

We are sorry to announce the passing of Marion Hanson Morton of the Class of 1922 at her home in Beverly, March 28.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

APRIL, 1940

STUDENT EDITORS

Homemaking Department	
Ruth Bessom '40	Marblehead
Doris Call '40	Newburyport
Harriet Dunkason '40	Methuen
Kathleen McCarthy '40	Peabody

AGRICULTURAL DEPARTMENT

John Ambrefe '41	Beverly
George Banks '41	Saugus
Howard Bacon '41	Lynn
Harold Jones '41	Danvers
Preston Lee '41	Peabody
Warren Brown '41	Salem
Peter Venti '41	Danvers
Robert Landry '41	Gloucester
Henry Lay '41	Merrimac

CAMP LESLIE CAMPAIGN

On Monday, April 1, at an assembly in the Homemaking Department, Mr. Horace J. Shute, County 4-H Club Agent, acquainted the students with some of the activities carried on under 4-H leadership. Mr. Shute showed us colored slides of Camp Leslie on Pentucket Pond in Georgetown, which the 4-H Club organization of Essex County wants to buy for the use of all youth in the County. Camp Leslie is a beautiful, large, summer camp surrounded by a dense pine forest and has a large playground. There are excellent facilities swimming, nature study groups and all kinds of sports. The campaign, which began about two weeks ago in Essex County by the 4-H Clubs to raise money to buy this beautiful place, is progressing quite rapidly, but it still needs your loyal support. The aim is to raise a mile of coins by distributing cards a foot long and holding twelve coins. If the people taking these cards can fill them with dimes Camp Leslie can be purchased easily with some money left over; if they are filled with nickels Camp Leslie can still be purchased, but if they are filled only with pennies, well, we'll need another mile!

A card with a 4-H Club campaign pin attached was given to each student present and more could be obtained by them if desired. There is a prize of a vacation at Camp Leslie offered to the student who turns in the largest amount of money on the cards which he or she has collected.

In the February issue of the Essex Farmer and Homemaker there were pictures of Camp Leslie shown and much is told about it and 4-H Club work. We know you will all want to help by contributing to the camp fund.

H. A. D.

NEWS-WRITERS' MEETING

During part of the time at the News-writers' meeting held on April 2, in the Homemaking Building, Miss Clarke told the girls about one of the new additions to the library. This new book is called "Fashions for a Living", by Gertrude Warburton and Jane Maxwell. Gertrude Warburton is Educational Director of the Buttrick Company; and Editor of the Fashion Magazine. Jane Maxwell is the Associate Editor of the Woman's Home Companion. Miss Clarke read parts of the chapter entitled, "Fashion Editorial Writing", to the girls.

The job of a fashion editorial writer is, in the first place, a very tangible kind of a job. In the second place, it is a creative kind of a job and in the third place, it is a personal kind of job. Finally it is a job with prestige.

For the girl who aspires to an editorial job, a course in journalism, a course in home economics, or a fashion school which emphasizes this kind of training is good.

The "Prix de Paris" quizzes that "Vogue" has recently been sponsoring are an excellent example of the kind of task often set before a girl to try out her aptitude for editorial work.

The chapter tells, also, of the money and varied things the fashion editorial writer must do and not do when she is writing for a magazine. There is also given a list of proof-reader's marks which are used in correcting proof on a page.

The girls enjoyed hearing about this book very much. It is a good source of information for anybody who is interested in "Fashion for a Living".

R. B.

ATHLETIC BANQUET

A banquet sponsored by the Athletic and Recreation committee of the F. F. A. was held March 25, a mid-day banquet was prepared and served by the Homemaking Department and was attended by the boys who had participated in major sports during the year. County Commissioner C. F. Nelson Pratt of Saugus and Coach Seeglitz of the Peabody High School were the principal speakers. Remarks by Captain Ramaika of Football, Conway of Basketball and Gagnon of Hockey were well received. Coaches Coughlin and Cole were presented with wallets. Horace J. Shute County 4-H Club Agent was toastmaster.

AGGIE GIRLS ENTERTAIN POMONA GRANGE

On April fourth Miss Clarke, Mrs. Clapp and Miss Moore with twenty girls from the Homemaking Department helped entertain the Pomona Grange in West Boxford. The group put on an interesting style show and gave several book reviews.

In the style show, under the direction of Mrs. Clapp, the girls showed pretty wool dresses, cotton dresses, corduroy dresses, skirts and blouses, suits and coats. Each girl pointed out the outstanding features of her own costume, showing its interesting points and some returned a second time to describe their suits and coats. The girls in the group were, June Agersea, Olive Judge, Mary Maklae, Eleanor Taylor, Edith Boissonneault, Elsa Ljunggren, Evelyn Seacole, Lucille Trearmer, Muriel Pontius, Ilene Briggs, Adelaide Webb, Joan Manwell, Rosamond Coughlin, Amelia Plummer, Claire McMahon, Kathleen Mason, Harriet Dunkason, Ruth Anderson, Agnes Martin, and Patricia Kelliher.

Four of these girls gave book reviews under the direction of Miss Clarke. June Agersea gave one on travel and included in this were such books as "Beautiful America" by Vernon Quinn, "The Flying Carpet" by Richard Halliburton and several others. Economics and Consumer Education was the topic of Olive Judge and she told of such books as "Polly Tucker, Merchant" by Sara Pennoyer, "Behind the Label" by Margaret Dana, and others. Mary Maklae chose Biography and reviewed "Girls Who Did" by Ferris and Moore, "My Garden of Memory" by Kate Douglas Wiggin and three others. Eleanor Taylor reviewed miscellaneous books two of which were "The House" by Tessie Agan and "Be Healthy" by Katherine Crisp. The books which they reviewed are all in the Homemaking Library.

The girls enjoyed presenting their work which gave the public a good cross-section of their class activities.

D. C.

COMING EVENT IN CLUB PROGRAM

On Thursday the twenty-fifth of April the Echo Club is going to have as a guest speaker Miss Edith L. Hoadly, the Dietitian in the Salem Hospital. The subject of her talk will be "A Dietitian's Day in a Modern Hospital" and she will explain how girls trained in Home Economics may assist the dietitian in her work. This event is looked forward to with great interest.

D, C.

JUNIOR A TEA

On March 28, which fell on a Thursday, the Junior A Division served tea from two to three o'clock in the Faculty dining room. They served:

Tuna Cornucopia Sandwiches
Heart-shaped Jelly Sandwiches
Cherry and Pickle Pinwheel Sandwiches
Asparagus Rolls
Chocolate Surprise Cakes
Cocoanut Cup Cakes
Brownies
Ice Box Cookies
Toll House Cookies
Tea, Sugar, Cream, Lemon
Lucille Treamear was hostess and

had as her centerpiece a bouquet of daisies. The waitresses were Bertha Delduca and Claire Burgess who wore black waitress' uniforms with white caps and aprons, collars and cuffs. The cooks were Edna Hughes and Dorothy Gravel.

The rest of the class were guests, as were the Faculty, Junior B Division and the High School B Division.

This tea ends the unit in Family Meal Preparation for the Junior A Division, The Junior B Division will take up the same unit,

R. B.

HOMEMAKING DEPARTMENT NOTES

The faculty and students of the Homemaking Department are glad to welcome Miss Phyllis Stearns of Dracut, Mass. Miss Stearns is a Junior at Framingham Teachers' College and is now doing her practise work in teaching Foods, Clothing, Dress Appreciation, Houseware and Related Science. She will be with us until May 10.

Miss Julia Metcalf and Miss Josko of the Homemaking Department in the Smith Agricultural School, Northampton, Mass., were visitors at our school Friday, April 5. They were interested in learning how our remedial reading and general academic work is carried out.

K. McC.

THE GREEN HAND

"The Green Hand" a story of the Future Farmers of America by Dr. Paul W. Chapman is now on the screen. The first showing was at Athens, Georgia on January 12. The picture was financed by the Agricultural Foundation of Sears Roebuck and Company, and was made by the Venard organization. The story of "The Green Hand" should be read by all Future Farmers, a copy of this book has been in the School Library for several years.

Aubert Giles '39 who recently returned from six months in Florida and Warren Page '36 assisted at the 4-H Service Club lunch Counters on Farmers' Day.

THIRD TERM HONOR ROLL

The third term Honor Roll in the Agricultural Department was recently released, and is as follows: Seniors, Arnold Hebert, Saugus; Edward Mitchell, Frank O'Connor, Robert Nichols, and Edwin Wentworth, William French of Lynn; David Irons, Donald Herron, Salem; Warren Nelson, Martin Sevoian, Russell Weinhold, Methuen; Algerd Ramaika, Robert Chabot, Haverhill; Newton Henriksen, George Pelletier, Lawrence; Wallace Brown, Gloucester; Robert Sprague, Peabody; Fletcher Wonson, Rockport.

Juniors: Victor LaBranche, Burton Smith, Haverhill; John Ambrefe, Beverly; Howard Bacon, Joseph Scouller, Charles McBride, Lynn; Harold Jones, Eugene Cobb, Peter Venti, Danvers; Charles Gibbs, George Banks, Saugus; John Adams, Georgetown; Henry Britton, Rowley; Wallace Kneeland, Topsfield; Warren Brown, Thomas Owens, Donald Martin, Salem; Robert Landry, Gloucester; Preston Lee, Peabody; Frank Lane, Manchester; Henry Lay, Merrimac.

Sophomores: Harold Raynor, Danvers; Robert Bradbrook, Ipswich; George Solomon, Francis Carey, Lawrence; Richard Peaslee, Middleton; Wilfred Robidoux, Andover; Thomas Blanchette, Salem; Robert Conway, Peabody.

High School Graduates: Christos Mpelkas, Lynn; Eugene Burr, Ralph Reynolds, Kenneth McBride, Beverly; Robert Smith, Edward Lynch, Lawrence; Beverly Sawyer, Marblehead; Robert Anderson, Gloucester; Robert Bertram, Salem; Robert Meier, Lawrence; Jewell Currier, Amesbury; and William Hawkes, Marblehead.

Freshmen: James Boardman, Andover; Fred Gott, Saugus; Gilbert Fournier, Lawrence; Theodore Dichirico, Swampscott; Franklin Barlow, Raymond Barlow, Robert Condon, Methuen; Winston Morse, Salem.

F. F. A. Election

At the F. F. A. election the following officers were elected for the year 1940-41.

Robert Landry, Gloucester, President; Raymond Mizzi, Salem, Vice-President; Beverly Sawyer, Marblehead, Secretary; Henry Britton, Byfield, Treasurer; John Ambrefe, Beverly, Reporter.

JUDGING AT AMHERST

On March 15 and 16 the second elimination contest in judging was held at Mass. State College. In Dairy Cattle judging Warren Nelson of E. C. A. S. placed fourth.

Poultry judging Ralph Wilkins was second and Algerd Ramaika third.

Market Milk judging: William Lane, second; Russell Weinhold, fourth and Stafford Knight, fifth.

Edmund Plummer '24 is employed by the Price Seed Co., of Albany, New York.

ATHLETIC DANCE

A dance sponsored by the Athletic Committee of the F. F. A. was held Friday night, March 29, in the main hall of the Agricultural Building. Music was furnished by Dick Putnam's orchestra from Danvers. A large number of students and alumni attended and made this affair a financial as well as a social success. Refreshments were served during intermission by a committee under the direction of Thomas Fullerton.

ESSAY CONTEST

The Goodyear Tire and Rubber Co. of Akron, Ohio announces an Essay Contest, on the subject "How Rubber Tires Have Changed Farm Equipment and Methods".

Students in Vocation Agriculture and members of 4-H Clubs are eligible to compete.

The contest closes on May 15, 1940 and those wishing to enter may receive entry blanks by applying to Instructor Gifford in care of the School.

C. G.

F. F. A. GUIDES

The F. F. A. Chapter Service committee assisted at Farmers' and Homemakers' Day by attending to the checking, parking and guiding. Members of this committee under chairman Robert Gagnon of Lynn did much to make the day a success. Members who assisted were: William Hawkes, Jr. of Lynn; Henry Britton, Jr., Byfield; Julian Wojtunik, Salem; Forrest Reynolds, Amesbury; Robert Anderson, Gloucester; Gordon Russell, Danvers; William Lane, Manchester; Austin Shorten, Andover; Thomas Tinsley, Danvers; Raymond Mizzi, Salem; David Irons, Salem; Charles McBride, Lynn; Ralph Wilkins, Beverly; William Thomas, Peabody and Edward Moran of Lynn.

GREEN AND WHITE

The Commencement number of the Green and White appeared in March and is up to standard of previous years. This year High School Graduate Divisions appeared in a group picture with write up and a prophecy of the individual members following the picture. The prophecy of 1950 for the Agricultural Department Seniors was well received.

H. J.

Among the graduates who returned to the School on Farmers' and Homemakers' Day were Joseph Cassano '20, Roland '31 and Warren '30 Shiers, A. Porter Henderson '28; Joseph Zeilski '38 and Donald Bentley '32.

Myron Eastwood '38, Carl Phipps '21, Everett Jones '22 and Roland Plummer '25 are employed at the Chedco Farm in Berlin, Mass.

MARCH 20 IN RETROSPECT

March 20 this year was the annual Farmers' and Homemakers' Day with about 1600 people in attendance. The day was perfect as far as weather was concerned and everything else seemed to go along very smoothly.

Miss Eleanor Bateman of the State Department of Agriculture told those assembled, What the Consumer looks for in a well supplied market: First the consumer looks at the attractiveness, then the freshness of the fruit and vegetables, the price tags should be displayed where all may see them, local products should be so designated and she urged that one buy in season to obtain the best in quality and price.

Mr. Erwin H. Forbush, Secretary of the Production Credit Corporation of Springfield was the second speaker in the morning he took for his subject "Facts about Finance."

The usual sectional meetings were held in the afternoon and the men all reported not only fine attendance but great interest in their meetings. Prof. John C. Taylor, Extension Poultryman from Rutgers University, New Jersey, was an outstanding speaker and the poultrymen gained much information from him.

There were a number of Professors from Massachusetts State College on the program among them, G. T. Klein, Ralph Donaldson, John Archibald, Roy Moser and Director Munson. Local men who were prominent were: R. S. Ackerman, president of the Essex County Poultry Association, Jewell Woodsum of Amesbury; Albert A. Colley from Cherry Hill Farm in Beverly. Our own instructors as usual planned and carried on many of the meetings. William D. Marsters of the New York and New England Apple Institute, Louis A. Webster from the Department of Agriculture were also present and spoke.

The ladies present enjoyed hearing Miss Agnes Carr of the Boston Traveler staff. In fact many of the ladies are still talking about Miss Carr and her poems. She chose for her subject "Where Happiness Is."

Miss Amy P. Morse formerly head of the Art Department at the University of Tennessee, spoke on "What is this Modern Art". Miss Morse traced the evolution in art from years ago to the change to what today is called Modern Art. Some of it was very lovely and made one wish to be able to change their homes over using some of the lovely materials that Miss Morse showed us.

The exhibits as usual were interesting and educational. The most popular always are the exhibits of food and the dresses that the girls have made. This year there were some really outstanding dresses. By-the-way if you attend Parents' Day in June you will see some of these dresses modeled by the girls who made them.

The food exhibit this year were

YOUR SKIN IS AN IMPORTANT ORGAN

The skin is living organ, and has many functions. It covers the body and protects the deeper tissues from drying and injury; it protects the tissues from the invasion of bacteria. It is an important factor in heat regulation, it contains the end-organs of many sensory nerves, it has limited excretory and absorbing powers.

The outer layer of skin called the epidermis is composed of hairy cells which are constantly excreted and replaced by new lays of cells.

The cells are manufactured within the true skin called the dermis. The dermis tissues contains the blood vessels, oil glands, and sweat glands which empty into the channels through which the hair grows.

The secretions of the oil glands and sweat glands keep the epidermis soft and pliable.

The severe cold weather which we have experienced this year; the short periods of sunlight present a reaction in the oil and sweat glands, which slow up the process of secretions of the skin.

The elimination of body waste material through the skin is very important for good health. The pores of the skin should be opened and freed daily of the soil that accumulates upon it, such as; particles of the outer layer of skin itself, some times called dead skin, dust, powder and rouge, etc.

Since cleanliness is the first rule of beauty, a daily cleansing bath of warm water and a mild soap that agrees with the texture of the skin, a good cold water rinse, and a brisk rub will stimulate the blood vessels and increase circulation in the skin tissues.

The skin can only be fed from within the body by the blood stream. A well nourished body can efficiently rebuild new cells and eliminate or cast off dead cells.

Beauty and Softness of the Skin, therefore, depends upon six factors: 1, Body Cleanliness; 2, Fresh air; 3, Balanced Diet, including 6-8 glasses of water daily; 4, Regular exercise in the open, avoiding fatigue; 5, Eight hours of sleep with window open; and 6, which is most important the daily elimination of body waste.

Mary E. Roundy, R. N.

suggestions for luncheon and tea tables one for each month of the year. A table set up and decorated for St. Patrick's Day and one at the other end of the faculty dining room for Easter or Spring lent color to the room. One which we remember and rather intrigued us was a plate of sandwiches (cheese) on a large plate and so arranged with cheese sliced very thin on each one to represent the face of a clock and the hands of the clock were made of cheese.

Already we are looking forward to Better Homes Day which will be a

GARDEN CHAT

Are you raising good stocky plants in your hot beds or cold frames or are they spindley and soft? A man who can grow good plants is worth money to himself or someone else. In raising good plants one must start with good seed, good soil, and good conditions under which the plants are to be grown.

In the first place, the seed should be true to name of the variety for which it is purchased, fresh, good germinating possibilities, and free from disease. If the package in which the seed comes does not contain the germination percentage it might pay to test the seed some weeks before planting time in order to know about how thick to sow. When the seed has not been treated for various diseases (generally stated on the package with what and how treated) it is a good practice to do so before planting. Refer to Mass. Extension Leaflet No. 116, Mass. State College, Amherst, Mass..

In the next place the soil should be well prepared. A good seeding soil would consist of one part loam, one part well rotted manure and one part of sand—this should be thoroughly mixed before seeding. Firm the soil lightly before sowing seed in rows or broadcast, cover lightly with straight sand, water and place near a source of heat. When the soil that you desire to use for transplanting purposes is not of the best, it would be well to add some well rotted manure or sand as the case may be. Soil for transplanting should be light, fluffy, and friable.

The best conditions for growing plants and seedlings call for a farm temperature of about 60 degrees at night, while the seed is germinating and for about ten days to two weeks after transplanting so as to get the small seedlings rooted and growing well. Then lower the temperature gradually to 50 degrees over a period of a week or more, lowering again to 45 degrees until ready to uncover. This gradual cooling process is what is often termed as hardening the plants, or in other words getting the plants ready to be set out in the cold outside ground. Another suggestion would be to keep the small seedlings covered from the sunshine for about two days after transplanting and then expose to the light and sun. It would be well to keep seedlings on the dry side rather than to keep too moist.

Ventilation is most essential on bright sunny days in order to keep the temperature from going too high. In other words cloudy days should not see seedlings growing in a temperature over 75 degrees, bright sunny days not over 80-85 degrees.

C. M. Stearns

week earlier this year it will be Wednesday, June 5 and Parents' Day will be on Wednesday, June 19.



4 - H CLUB NOTES



EXHIBITS

A club exhibit is expected of every 4-H club. An individual club may wish to hold a small exhibit in the leader's home. A group of clubs in a community may desire to have an exhibition program in a central place, perhaps the school or library auditorium.

The purpose of an exhibit is to show the public in your community the work done by 4-H members, as well as the true meaning of the 4-H's in the lives of young people. Club work must grow. To do so more people must know about it. Advertise club work in your community by a fine exhibit. Here are a few hints:

1. Arrange your exhibit attractively.
2. Plan a short simple 4-H program, (a-Songs, b-Skit).
3. All records of club members' work should be completed and ready for the Club Agent at the Exhibit.

Your exhibit is the show window of your year's work. Let it sell you and 4-H Club work to the community. Exhibits strengthen club work and bring about a closer cooperation of parents, club members and local leader.

The following dates have been set for exhibits: April 18, Rowley; May 3, West Newbury; May 4, Methuen; May 9, Gloucester May 13, Swampscott; May 18, Beverly; May 20, Andover; May 22, Amesbury and May 23, North Andover.

Write to the County Office if you wish any help with your plans to set the date.

Helen A. Walker,
Asst. Club Agent

CAMP LESLIE

As we go to press we wish to report to you the progress of the drive for funds to purchase Camp Leslie are at the end of the third week of the campaign and we have two-fifths of the money needed.

This money must be paid to Mrs. Leslie the latter part of June, but as you know, our intensive campaign closes on May 18. It is hoped that those of you who are planning to give to this cause will make your returns to the School office as soon as possible.

WOODCHUCK CONTROL

The months of May and June are the best for woodchuck control says the United States Bureau of Biological Survey. The young, which are born in May, stay in the home burrow until the middle of June. Gas cartridges placed in the holes during these two months will eliminate more

SUMMER PROJECTS

With the coming of Spring, ambitious thoughts spring into the minds of every young person, among these is the ambition to have a garden, raise a calf or to hatch a brood of chickens.

These and many others are among the projects outlined for 4-H Club work. Every boy and girl should spend a profitable summer, doing a definite thing that he particularly wants to do. Along with the enjoyment that he receives there is bound to be a worthwhile side to it, an education and profit if it is done the 4-H way.

It is easy to have a 4-H garden. The requirements are, for vegetables: plant and care for a garden at least 500 sq. ft. that is 20' x 25'. Learn to identify ten specimens of garden diseases. Keep a record of all expenses of seeds, plants, fertilizers, etc. Send the record to the County Agent for the completion of the work.

The Flower garden project is growing in popularity every year. The requirements are the same as the vegetable garden, except the size of the garden is only 50 sq. ft.

There are many worthwhile activities this year for garden club members. There are the fine exhibits they may enter at Horticultural Hall, Boston, the Local Fairs, County and State Fair all these offer cash prizes to the winners.

This year the Junior Vegetable Growers Association has been formed. This is a National organization and their meeting will be held in Philadelphia in August. On July 27, there will be State elimination in judging to decide the teams to represent Massachusetts at the meeting. Look for further announcements.

The Poultry project this summer will consist of raising 50 baby chicks, keeping records, exhibiting and judging.

The Conservation program will include the study of nature, making bird houses, identifying birds, flowers, and insects. Every boy and girl should try to join one of these projects, thus making his summer a profitable one.

Horace J. Shute,
Club Agent

woodchucks at one attack than the same treatment later on, when this year's young have moved to their individual burrows. The gas cartridges for killing wood chucks will be available through the United States Bureau of Biological Survey early in May.

THE HEART H

'I pledge my heart to greater loyalty'

Your H Club members have pledged their hearts to greater loyalty for their club, community and country. The Heart H in club work is perhaps best shown by the little kindnesses which club members do for someone else.

To prove that 4-H club members do think of others, here is an example. Recently I visited a group of first year club members in Saugus. At the meeting the girls presented an Easter Lily to the leader. This group also made 35 stuffed dogs at Christmas time and sent them to the Children's Hospital.

I believe in the training of my heart to be kind sympathetic and true.

H. A. W.

SUMMER PROJECT FOR GIRLS

"Success in Cans" has been the slogan suggested for the 1940 canning project. Older Club Girls are telling just how valuable this project has been to them, so the younger girls must follow on to attain "Success in Cans".

Our aim is to have all canning clubs organized by June 1. If this aim can be realized the clubs will be off with a good early start.

More opportunities for exhibiting are being offered to canning club members this year. We have Topsfield and Brockton Fairs. Worthwhile cash prizes are being offered at the Boston Horticultural Show and at a state-wide exhibit to be held in September or October.

H. A. W.,

TO THE CLUB GIRLS OF ESSEX COUNTY

The biggest event of the year is fast approaching. This year it is to be held on May 18.

There will be an Appropriate Dress Revue with classes covering all types of costumes. The foods contest will include demonstrations as well as judging.

The number of girls taking part in this activity has increased so that we are to hold Girls' Day this year in the Agricultural Building at the Essex County Agricultural School.

All dresses must be in by NOON on THURSDAY, MAY 16, as the Judges will start their work very early on Friday morning.

There will be a program in the afternoon of May 18 so that the girls who are not taking part in the Dress Revue will be most welcome to come as well as parents.

H. A. W.

ESSEX FARMER AND HOME MAKER

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NO. 5

Notes From the Fruit Testing Orchard

It will be recalled very forcibly that we have just passed through an unusual winter. While few thermometers have actually recorded zero, there were days and days when the glass went well below ten above, and an unusual number of days in which the thermometer failed to register the melting point. Only one rain storm at the time of the usual "January thaw" is recalled. Ice formed to an unusual depth on our ponds and streams. Cold and snow and cloudy days were abnormally high.

With the above set up there was considerable questioning in the minds of fruit growers and tree and plant lovers. At the present writing, May 10, the season is averaging nine to eleven days behind normal. On the other hand, vegetation has advanced enough that we may make quite an accurate estimate of the probable fruit blossom situation. All varieties, both tender and hardy, appear to be carrying an unusually heavy flower bud system. Unless we have extremely unfavorable weather at the time of full bloom, the foundation is set for a remarkable and diversified crop of fruit. Even the tenderest varieties of peaches, nectarines, and plums show great possibilities.

In the small fruits, two facts seem to be outstanding. In the first case, raspberries and other cane fruits show most unusual hardness, many varieties being so completely covered with live bursting buds out to the tip of the cane that they may require some restrictive pruning. By this is meant that some of the tip wood might well be removed in order that intermediate wood have a chance to carry the large berry crop through to fulfillment. It is well to remember that the heavy load of fruit borne well out toward the ends of the cane are somewhat difficult for the cane to carry. This, of course, could be overcome by wiring or otherwise staying the canes. Restrictive pruning tends to give larger and finer individual berries.

An outstanding fact is demonstrated this year in the mulching of strawberries. Many feared that the strawberry plantations would suffer,

Bauer Field

The tablet has been placed on the boulder, properly marking Bauer Field. The inscription is:



BAUER FIELD

RALPH S. BAUER

FOUNDER TRUSTEE PRESIDENT

1913 1938

It is interesting to note that Bauer Field has come through the winter in splendid shape, the turf is getting heavier each year, and the tree and shrubbery plantings, now attaining more size, are adding to the beauty of the grounds. The students of the Homemaking Department are again using the field very regularly.

particularly from the impacting of ice over the crowns of the berry plants. In strawberry beds which were carefully covered or mulched this difficulty has been minimized and fruiting beds are showing nearly one hundred per cent hardness in coming through the year.

One of the questions most frequently asked is, should we remove the mulch and attempt to fertilize and cultivate the fruiting beds? The best answer is, if you are able to do this it will pay you in yield and size of fruits. Do not make the mistake of using a fertilizer which runs too strongly in nitrogen. A large growth of broad soft leaves is a mistake. Much of the fruit rotting may start under the cover of this heavy foliage, particularly if the ripening season is abnormally wet. The mulch

Better Homes Day Wednesday, June 5

The Women's Advisory Council met on Thursday, May 9 at the School. Following lunch a business meeting was held and the final plans for Better Homes Day were made.

Mr. Lawrence V. Loy, Recreational Specialist from the Massachusetts State College will have part of the morning program. He will speak on "What Recreation can mean to the Home". There will be a period of community singing and if any of you have ever attended a "Sing" conducted by Mr. Loy you certainly want to miss this one. Mrs. Nancy DeFrancisco Oliva will preside at the piano and in the afternoon will

give several solos.

There will be a short business meeting with the election of officers for the coming year.

Plans now are for a rather long noon hour because if pleasant many of you will wish to stroll about the campus and enjoy the grounds.

The afternoon program will start at one o'clock. Mrs. R. Howard Pettigill of Sunnybrook Gables, Georgetown will exhibit tapestries and tell how they are made.

Mrs. Robert Parmenter of Amherst will show colored pictures and lecture on "Your Massachusetts".

At 3.30 Tea will be served and a social hour enjoyed. As usual bring your basket lunch and coffee, tonic and ice cream will be for sale.

Young mothers with small children come and bring the children as there will be a group of girls from the Homemaking Department available to care for them during the day.

should of course, be put back before the fruit clusters drop down.

The School is continuing to extend and expand its fruit testing area. May we repeat that the public, whether farmers, amateurs, or just an appreciative group of citizens, is very welcome at all times in the fruit testing grounds. Intelligent guides will be cheerfully furnished.

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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SUBSCRIPTION 25c PER YEAR

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CAMP LESLIE

The Trustees for Camp Leslie and
interested friends are doing very
constructive work these days. While
the drive will approximately come
to and end on May 20, contributions
which will automatically continue
to flow in will be very welcome. If
they come in sufficient amount it may
mean the erection of another cabin
on the grove site or the addition of
some very much needed equipment.

The Trustees have made a first
substantial payment on account to the
owner, and will continue to do so as
fast as the supporting funds are received.

The Trustees and other prominent
leaders in the county held their first
meeting on the Camp Leslie grounds
on May 8, and many plans are under-
way looking toward the immediate
betterment and extension of the
plant. Vigorous, constructive work will
be necessary in order that the camp
may be opened in July.

In 1939, report Massachusetts State
College economists, the farmer received
about 40.5 cents out of every
dollar the consumer spent for food,
while the other 59.5 cents went for
transportation, processing and distrib-
uting services.

TODAY'S WAR IN CLASS ?

Shall we include the present Euro-
pean war in our class study, or shall
we not?

Certainly there are arguments on
both sides of the question. Those on
the negative side argue that it's not
"our" war, that we should keep the
students' minds focused on peace, and
that we should not make them "war
conscious". Those on the affirmative
side state that indirectly, even though
we are neutral, this war affects the
United States, especially in the econ-
omic field, that every citizen should
be well-informed on world affairs,
that these students soon will take
their places in civic affairs and should
be able to do so with a background
of information, that they should have
the ability to read the news impar-
tially and interpret its value.

Isn't it possible to pursue a middle
ground? Can't we be well-informed
and appreciative of conditions abroad
without becoming "war conscious"?
Isn't it to our advantage to be aware
of what this war is doing to us in an
economic way? It certainly affects
our shipping and the supply of many
commodities. The previous World War
showed us the extent of our depen-
dence on foreign dyes just one of
many similar instances.

With so many contradictory claims
made by both sides at the present
time it is impossible to know which,
if either, is correct. However, we can
know that for some reason, that par-
ticular position or place is both de-
sirable and important to those en-
gaged in the conflict on both sides. If
the reader follows the line of march,
it is surprising to find how much geo-
graphy is recalled and how much is
to be learned. Then, too, there is
offered the opportunity of knowing
the habits and customs of the
people in these foreign lands.

No one ever learns or becomes truly
big by shutting himself into an iso-
lated shell, for it is then that he be-
comes the loser, just as no one pre-
vents the darkness from coming by
closing his eyes and therefore not
seeing it.

Verna L. Clarke,
Div. Head Academic Dept.

ENGAGEMENT

Mr. and Mrs. Albert Colley of Bev-
erly have recently announced the en-
gagement of their daughter Doris to
William Corning of the Class of 1938.

BIRTH

Mr. and Mrs. Charles Clinch, nee
Lois Allen '33 are the proud parents
of a son born April 24. Charles is a
graduate of the class of 1936 and is
now employed at the Windsor County
Farmers' Exchange, Windsor Ver-
mont.

SPRING CLASSES

Spring projects under the direction
of the Home Demonstration Agent
are now finishing their work.

Classes are being held in Newbury,
Essex, Georgetown, Swampscott and
Marblehead.

Mrs. Ruth D. Morley, Child Devel-
opment Specialist has met with
groups in Merrimac and Ipswich dur-
ing this month. Mr. Arnold Davis has
met with garden groups in Ipswich,
West Newbury and Gloucester and on
May 1, he talked to 150 members of
the Manchester Historical Society at
the Manchester Historical House. His
subject was "The History of Archi-
tecture," starting with the early
Pilgrims.

Mrs. Harriet J. Haynes, State Home
Management Specialist talked to
groups in Merrimac and Georgetown
on Spring Cleaning Hints.

Food Classes are now being held
under the direction of Miss Esther
Belair, County Food Instructor, at
Hathorne, Ipswich, Manchester, Es-
sex and West Newbury.

Mrs. Mary E. Roundy, School Nurse
is meeting the Home Hygiene groups
in Andover, North Andover and West
Newbury.

Mary M. McIntire,
Home Demonstration Agent

M. V. A. CONVENTION

A large representation from this
School attended the Massachusetts
Vocational Association Convention
held at the Norfolk County Agricul-
tural School on May 11. The Agricul-
tural Chapter of the M. V. A.
headed by Roy T. Argood, President,
were hosts to several hundred trade
and industrial teachers of the state.

The morning meeting included a
discussion of the topic, "The Guide-
ance program in the Vocational
School", with Director Smith chair-
man and Instructor Mostrom taking
part under the heading "Agriculture."

The afternoon program with Direc-
tor G. H. Gilbert of the Bristol County
School, chairman was held at the
Weber Duck Inn at Wrentham. Mr.
Robert O. Small of Beverly and L.
Clayton McKenney of Watertown
were the principal speakers. Mr.
Small spoke on the "Renewal of the
Pioneer Spirit" and Mr. McKenney's
subject was "Who gets that Job". In-
structor Gallant of this school was in
charge of the entertainment program.
Christos Mpelkas of Lynn, a student
at Essex, delivered his prize winning
speech on "The Importance of Voca-
tional Agriculture Education".

G. E. G.

COMMUNITY PLAYGROUNDS is
the subject of a leaflet published by
the Massachusetts State College Ex-
tension Service. It is available with-
out charge to residents of Massachu-
setts who request it from the Mailing
Room, M. S. C., Amherst.

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

MAY, 1940

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George Banks '41	Saugus
Howard Bacon '41	Lynn
Harold Jones '41	Danvers
Preston Lee '41	Peabody
Warren Brown '41	Salem
Peter Venti '41	Danvers
Robert Landry '41	Gloucester
Henry Lay '41	Merrimac

NEW CHANGES IN SCHEDULE

At the close of the third quarter still other changes took place in the Homemaking schedule. This time it affected the Juniors and Freshmen most.

The Juniors started their spring gardening under Mr. White, an instructor in the Agricultural Department, in place of their regular hand-craft classes. Junior A, which has been having one morning and one afternoon class in foods, changed to two mornings in the student cafeteria, while Junior B, has reversed this procedure and have now one afternoon and one morning foods class.

Both divisions of Freshmen have started cooking the luncheons for the faculty once a week and are being very successful in their new adventure. The rest of the girls had their classes rearranged but not changed. As the year is so near an end, this is the last change in the schedule.

D. C.

ECHO CLUB ASSEMBLY

On Tuesday, May 7th, the faculty and students of the Homemaking Department enjoyed a movie "The Inside Story of Beef". It was shown through the courtesy of the Armour Meat Co., of Salem. Eleanor Taylor, president of the Echo Club, introduced Mr. Dunphy, who directed the pictures and explained the various stages of caring for the meat which was shown in the film. These movies gave us a better knowledge of how beef is cut, stored and prepared for market. They proved very interesting and educational to both the teachers and students.

K. McC.

PARENTS' DAY

On Wednesday June 19, Parents' Day will be held. It is hoped that all the parents and friends of the members of the Homemaking Department will be able to attend. There will be more about the program in the June issue of the Farmer and Homemaker.

R. B.

PATRIOTS' DAY PROGRAM

On April 18, in the Homemaking Building a Patriots' Day program was given at an assembly of the Homemaking girls. It was under the direction of Katherine Hitchcock, a Senior. The program was as follows:

Salute to the Flag by the School
"The Battle of Lexington" read by Marjorie White

Song, "God of Our Fathers". Sung by the School.

Story, "Washington Appointed Commander-in-Chief" read by Muriel Spinney

"The Concord Hymn" read by Ruth Munroe

Song "The Home Road". School

"The Minutemen", read by Louise Leach

The program was closed with another song by the girls entitled "America Forever".

H. A. D.

ECHO CLUB TO ELECT OFFICERS

Before the end of May the annual meeting of the Echo Club will be held. At this time members of the Club will elect officers for the coming year.

This is the only important business because of the rush just before the close of school.

D. C.

ESSEX CHAPTER COMPILES ANNUAL REPORT

The annual report for 1939-40 shows a total membership of 216. This number is made up of 164 Green Hands, 48 County Farmers and 4 Bay State Farmers. Not included in the total are two American Farmers who received this honor in 1938 and 1939.

During the year just closing the Chapter passed an estimated budget of \$ 655.72 Some of the largest items are for the Roadside stand, Sales and Concessions; and Athletics and Recreation.

MEMORIAL DAY

A day of sorrow and pride, May 30.

From 1861 to 1865 our country was convulsed by a terrible Civil War. Brave men left their homes and their families by the thousands to join the Army of the Blue or the Gray. Men burned with the zeal of patriotism and whether they fought for the Union or for the South, they fought for the cause they thought was right. The women of the North and the South remained at home to sew and pray for the safety of their loved ones.

At last peace was established. The Union was saved, but the cost of thousands of lives of our country's bravest men. There was scarcely a village that did not mourn its dead.

The women of the Confederacy began to go at various times in different places to strew flowers on the graves of their soldiers, and presently the beautiful custom spread to the North.

General John A. Logan, Commander-in-Chief of the Grand Army of the Republic, set aside May 30, as Decoration Day for the graves of the Union soldiers who had died in the Civil War. Gradually the observance spread from state to state. The name was changed to Memorial Day, the better to voice the feelings of those who observed it.

Each year the Governor in most of the states proclaims the day a legal holiday. As flowers appear earlier in the South the date of the observance is earlier there, in some states on April 26, in others May 10.

H. B.

HALF-WAY STAND

As this issue of the Essex Farmer and Homemaker reaches you the Half-Way Stand, on the Newburyport Turnpike, is opening under the management of the Essex Chapter F. F. A. Christos Mpelkas of Lynn, Robert Bertram of Salem and Richard Brown of Swampscott have been chosen to tend the stand on alternate days. For the past fifteen years this stand has been serving customers with locally grown products of high quality. Profits from the stand revert to the Essex Chapter and help to defray the expenses of the student activities.

Instructors Metcalf and Garden Division Foreman Sidney Porter will have general supervision of this F. F. A. activity.

G. E. G.

GIRLS' ATHLETICS

Before the spring vacation the girls held their class volley ball tournaments. They were held for two consecutive Mondays in the gymnasium. The girls were selected from each class to make up their teams, and are as follows: Freshmen, Helen Small, Betty Kirwin, Dorothy Rowbottom, Betty Johnson, Betty Whalen, Doris Donze, Irene O'Brien, Doris Gaudette, Regina Barrow, and Rita Bosse.

Juniors: Ilene Briggs, Phyllis Cook, Muriel Graven, Reina Gump, Frances Calvert, Jessie Shaw, Dorothy Bozek, Claire Burgess, Dorothy Livingston, Muriel Pontius, Bernice Marsland, Elinor Carter.

Seniors: Kay Hitchcock, Alice Cadoret, June Agersea, Edith Boissonneault, Cecile Cheney, Olive Judge, Louise Leach, Elsa Ljunggren, Mary Maklae, Muriel Spinney, Eleanor Taylor, and Marjorie White.

High School Graduates: Mary Hayes, Margaret Savage, Agnes Martin, Evelyn Dodge, Kathleen Mason, Claire McMahon, Adelaide Webb, Grace Waters, Page Gifford, Lucille Dernier, Virginia McCarthy and Kathleen McCarthy.

Now that the warm spring weather has arrived, the girls are holding their gym classes on the athletic field. At the entrance to the field is the Boulder which is shown on the front page.

Coach Couhig is teaching soft ball in preparation for a soft ball team. Track and high jumping will also be main features for the girls out of door gym periods.

K. McC.

FIELD TRIP TO HOOD PLANT

On Wednesday, April 10, the Juniors and Seniors in the Homemaking Department went on a field trip to visit the Hood plant in Charlestown.

When they arrived at the plant, they were received in a small auditorium. There their names and addresses were taken. There was a large show case in the front of the room. In it were beautifully decorated cakes, ice cream, and ice cream rolls. All these were made in the ice cream plant, not at the milk plant, it was explained.

A woman talked to the girls and told them that the milk used in the plant came from 5,000 different farms scattered throughout New England, in Maine, New Hampshire, Vermont and Massachusetts. The milk is kept cool from the time it leaves the farm until it goes into the pasteurizer at the plant.

About 60 percent of the certified milk is pasteurized. Grade A milk is however the most popular on the market.

The men who work at the plant must at all times be clean and healthy. They have a laundry right in the plant where the clothes are laundered each night. They must have showers and clean clothes each morn-

DIETITIAN VISITS SCHOOL

On Thursday, April 25, Miss Edith Hoadly, the Dietitian from the Salem Hospital, visited the school as the guest of the Echo Club and spoke to the members of the Homemaking Department. Her topic was "A Dietitian's Day in a Modern Hospital and What a Home Economics Trained Girl Can Do to Help Her". This is a subject of great interest to the students.

She outlined a normal day and told of all her different duties. She goes on duty at 6.15 where she supervises the serving of breakfast to the nurses, the kitchen help, private patients, and staff one after another. She then goes to the kitchen and gives her orders to the chef and looks over the refrigerator. Then she orders food for the next few days, probably going to the front office to see a salesman or taking care of some other duties.

She returns to her office and makes out the menus—six different ones—and during this time finds more time to teach the student nurses cooking in the diet kitchen. Sometimes during the morning she must find time to visit the private patients and prepare special diets. Then comes dinner, after dinner she is off duty until supper time when she must supervise the serving of supper.

She then told the students of the positions open to the graduates from Essex Aggie. Some of these were 1. In the diet kitchen: preparing food for special orders and serving trays. 2. Waitress—serving nurses, staff and doctors, and serving food to the waitresses and other employees. The last but not least position is Relief Girl, who takes the place of the person who has a day off.

The girls were very grateful for the information which Miss Hoadly gave them and enjoyed her talk very very much.

D. C.

ing. They are physically examined once a week by a doctor outside the plant.

The pipe that the milk goes through are all taken down each day and scrubbed thoroughly by electric brushes, and rinsed and put up again for the next day. The milk is not exposed to air at any time and is untouched by human hands.

Every bottle that the milk goes into has been washed for twenty-five minutes. The girls who make the butter wear cheesecloth mits and work rapidly. The cottage cheese is bottled in a similar way to the milk.

Each girl who visited the plant was served a bottle of milk and box of ice cream.

They all agreed that the trip was interesting as well as educational.

Cecile Cheney

R. B. Ed.

ARBOR DAY CEREMONIES

The closing Joint Assembly of the year was held in the Agricultural Building Auditorium on Friday, April 26, at one o'clock. The girls of the Homemaking Department were welcomed by Mr. Mostrom and the fifty boys still remaining in classes. The assembly was in the form of an Arbor Day program and began with a song by the student body entitled "We Plough the Fields". The Proclamation for Arbor and Bird Day was then read by Richard Stowe. Arbor Day is observed throughout the country to provide for the replacement of trees which have been destroyed and the planting of additional ones.

Muriel Craven, Vice-President of the Junior Class then read the poem "A Prayer" and Ernestine Lawrence, a member of the Executive Board of the Senior Class read the story "The Wonder Tree by Krummacker. The song "Oh Month of May" was then sung by the group.

President-elect of the F. F. A. Robert Landry, gave a report of the previous Arbor Day plantings and it was interesting to learn that two Elm trees planted near the Homemaking Building are direct descendants of the Washington Elm. Last year the class of '39 planted a whole row of trees along the driveway to replace the ones destroyed by the hurricane.

Director Smith told how he had the honor of taking part in the first Arbor Day celebrated as a National Arbor Day. He told us that in choosing the planting site, for the year of 1940 the enjoyment of the passing public was considered as well as beautifying the school grounds and giving pleasure to the faculty and future students, so four maple trees would be planted across the street along the highway.

The entire student body and faculty then left the auditorium to go out and witness and help in the planting of the trees. Eleanor Taylor, President of the Echo Club placed the first shovel-full of soil around the first trees to be planted and President-elect of the F. F. A. Robert Landry placed the second. By taking turns the boys and girls filled in the soil around the remaining trees and tamped it down.

H. A. D.

Since 1934, the U. S. Bureau of Entomology and Plant Quarantine has directed an average of 9,000 relief workers throughout the United States working to control or suppress insect pests and plant diseases. The relief workers have fought such pests as the gypsy and browntail moths of New England forests, the thurberia weevil of cotton, white pine blister rust, black stem rust, citrus canker, and peach mosaic.

BACK TO NATURE IN A CAFETERIA

During the past years many people have advocated going "Back to Nature" in many aspects of life. One really needs only to choose different work, sports, hobbies, foods and automatically he is back to nature without going far.

Gardeners, goat-breeders, poultrymen and dairy-men would find pleasure in visiting the Nature Food Cafeteria on Tremont Street in Boston, where all their products are on the daily menu boards.

The Food Counter is nicely arranged. On a bed of chipped ice stand glasses of Celery, Carrot and Grapefruit Juices. Wooden bowls and crockery plates of salads rest on another ice bed, made up in the following combinations:

Fresh Fruit

Date and Raisins with Cottage Cheese
Shredded Raw Vegetables
Lettuce and Tomato with Water
Cress or Egg
Apple Celery and Nuts
Pineapple and Cabbage
Cottage cheese and prunes

On a shelf above the cold foods are pies, cakes and bread made from whole grain products in their natural state, honey and other natural sugars.

The hot foods are seen next, in and on the steam table:

A la Carte
Baked Pea Beans
Soy Macaroni
Grilled Mushrooms on Toast
Energizing Special
Chopped Beef Steak
Vegetable Garden Salad
Coffee, Tea, or Substitute Coffee
Open Club Sandwich
Vegetable Special
California Pea Beans
Garden Salad or Soy Macaroni
Apricots or Ice Cream
Entrees
Broiled Calves' Liver and Bacon
or
Broiled Lamp Chop
Choice of Vegetables and Raw Vegetable Salad
Soups
Mineral Broth
Potassium Broth
Vegetable Soup
Sandwiches
Cottage Cheese and Honey
Apple and Peanut Butter on Raisins
Honey and Nuts
Chopped Raw Vegetables
Chicken Salad
Chopped Beef Steak

Before leaving the counter one sees a sign announcing the sale of Goat's Milk and the benefits derived from drinking it.

Having all these choice foods on display in the heart of Boston, people can easily step off the busy street "Back to Nature."

Harriet M. Butman,
Instructor in Foods

GARDEN CHAT

Is your asparagus bed yielding good cuttings? The stalks may be getting small and spindly or perhaps the stalks are becoming fewer and fewer as the seasons pass. If either of these facts are true, it is time to get another bed started at once as it takes several years to bring a bed into production. A good bearing bed should yield about 2500 lbs. per acre.

In starting a new bed one should set only strong healthy roots in rows 3 to 4 feet apart. The roots should be set 15 to 18 inches apart in the row and should be placed on a small mound of soil in the bottom of a trench at least 8 inches deep. Distribute the root over the mound of soil so as to give each rootlet an opportunity to get rooted quicker, and later draw upon the plant food more evenly. When setting the root, cover with an inch of soil and as the shoots grow, more soil may be filled in until the trench has been leveled off.

Knowing that you are starting a new bed, it is well to start the season before by building up the organic matter in the soil. This can be accomplished by growing green manure crops. Asparagus prefers an alkaline soil, so if on having a soil test made it is found that lime is needed, it should be harrowed into the soil before setting the roots. In making the trenches for the roots, it is well to plow out the soil to a depth of a foot. Apply well rotted manure in the bottom of the trench (about 2 inches) and cover with two inches of soil and then set the root. Along the first of July an application of 700 to 800 lbs. of a 5-8-7 fertilizer should be applied and cultivated in. Each successive year if no manure is added in the spring, apply 1500 lbs. of a 5-8-7 fertilizer per acre and harrow this in. It should be remembered that asparagus is a perennial much depends as to the yield of a crop by the way it is cared for the previous season.

Historically, asparagus dates back to the B. C. days. Reference is made from first century records to the recommendations of the roots be transplanted from a seedbed to permanent spaced rows. Strong one year old roots are preferred to two year roots as the additional year, by allowing the roots to grow without cutting stores up food, etc., which is beneficial. It should be remembered that asparagus should not be cut until the 4th year of its growth.

The Mary or Martha Washington variety is the best and is rust resistant. From 6000 to 7000 roots are needed to set an acre. The six and twelve spotted asparagus beetle troubles this vegetable and can be controlled by a stomach poison, such as calcium arsenate. Cut worms may be controlled by the poison bait method.

Cabbage maggot control should be under way now. Use 1-2 oz. of corrosive sublimate to 5 gals. of water. Apply 1-3 to 1-2 cup per plant around the 10th of May, and repeat one week

THINGS TO DO AND THINK ABOUT

What evidences of erosion have you been able to find on your farm? If you observe evidences, attempt to discover the management practices responsible for the condition. Follow Erosion Prevention Practices

It's a good idea to plan to do this year the things you wanted to do and didn't do last year.

The house fly is most easily controlled if the few individuals, which appear early in the season, are destroyed and the breeding places eliminated, (manure piles and low wet places where organic matter will ferment). If fly breeding material is treated with borax, maggots will be killed before they can escape and develop into flies. Eleven ounces of borax dissolved in from two to ten gallons of water is enough to treat eight bushels of manure.

The best method of insect and disease control is prevention. Two of the cultural practices which contribute to this method are frequently overlooked, namely sanitation and crop rotation. How well have you cleaned up plant refuse, trash, seeds and weeds this spring? In what respects does the plan of your farm provide for satisfactory crop rotation?

Meadow land or permanent pasture areas that contain a mixed stand of grasses and clovers are ideal as a range for poultry.

It has been demonstrated that a well organized-operated farm with well ordered activities, has a minimum of accidents. Eliminate accident hazards by doing the things you know ought to be done.

Odd corners and poor crop locations on the farm can be best utilized by growing trees. Brighten up your farm with trees. Plant a Tree.

Bird lovers who insist on keeping cats are greatly in favor of restraining them on a length of rope or a light chain. If you must let your cat run, a tinkling bell hanging from his collar will give our birds a better chance for life.

All vegetable and plant growers who buy plants from the south should be on the lookout for the white fringed beetle. This insect looks like a black vine beetle, except that it is larger and gray in color. Many consider it a worse pest than the Japanese beetle.

A few hours spent now conditioning and trying out the sprayer may prevent costly breakdowns during spraying season.

J. A. Gallant,
Science Instructor

Cabbage furnishes six times as much Vitamin C as lettuce.

later. This control should be used for early set or seeded plants.

C. M. Stearns



4 - H CLUB NOTES



CORN BORER CONTROL

Two developments are in sight in connection with the Corn Borer control program for the coming year:

1. The Waltham Field Station is planning to make careful observations of the corn borer egg laying period and will notify us when the eggs are first observed. The timing of this first application is most important single step in securing satisfactory control through spray or dust application.

We will notify you through Radio stations WLAU and WESX regarding this first spraying time.

2. It is becoming quite generally accepted that if spraying for corn borer is to be generally adopted, power spraying methods must be devised. At present, there is no standardized equipment for this purpose, but several growers in various parts of the County are already making adaptations of existing machinery.

These new methods require a planting system which will allow the sprayer to be driven through the field at intervals. Growers who are considering this, plan to omit two rows of corn at stated intervals and replace them with beans, potatoes or other low growing crops.

Demonstrations:

Roger Lewis of Andover is planning to set early corn this year under the plan outlined above and will use a power sprayer which he has adapted for corn borer control. Demonstrations will be held at his farm on Laurel Lane, Andover and all vegetable growers are invited to attend. Notices of the exact dates will be sent out in advance.

The County Agent's Office has a list of insecticides for the Control of the European Corn Borer, which you may have.

C. O. Cartwright

SCHOOL FARM PROJECTS

Several students are employed each summer in the farm and garden divisions of the School. At the present time, May 10, students are working in the divisions as follows:

Floriculture: Howard Bacon of Lynn; Thomas Leahy, Byfield, William Thomas, Peabody.

Vegetable Garden: Christos Mpelkas, Lynn; Robert Bertram, Salem; Richard Brown, Swampscott; Richard Thomas, Danvers; Herve Croteau, West Andover; Gilbert Fournier, Lawrence; Sidney Porter, Beverly, a graduate, is Foreman.

Farm and Dairy: William Hawkes, Marblehead; Joseph Mizzi, Salem; Charles McBride, Lynn.

CAMP NOTES

Junior Leaders' Camp at Amherst will be held a week earlier than usual this year opening on Friday, July 12 and closing on July 19.

It is hoped that Camp Leslie will open on or about July 21.

All 4-H Club Boys are asked to keep Saturday June 29 free as that is the date set now for the Annual Field Day which it is planned to hold at Camp Leslie. In view of this meeting on June 29 there will not be a Boys' Day on May 25.

LUMBER GRADING DEMONSTRATIONS

The first in a series of lumber grading demonstrations will be held on Monday evening May 27, at 6.45 P. M. on the farm of Forestry committee member, Clarence Brown, Middleton Road, Boxford.

These demonstrations will be sponsored by the Essex County Forestry Planning Committee through the co-operation of the extension service, and all woodlot owners in Essex County are invited to attend.

Proper grading should give the woodlot owners the maximum returns for his lumber.

VEGETABLE GROWERS' NOTES

In an effort to secure better cooperation between the growers and distributors of local vegetables, the executive committee of the Essex County Vegetable Growers' Association held a meeting on May 13 at the Essex County Agricultural School with a group of wholesalers and distributors from five different towns in Essex County.

Other states have tried this method to secure a better understanding of the problems of marketing their local vegetables and as a result both the grower and the trade have understood each others' problems better and have been able to cooperate to a mutual advantage.

C. O. Cartwright

Poultry: Harold Raynor, Danvers; Conrad Nolleit, Lawrence, Graduate Foreman.

Fruit: Richard Peaslee, Middleton; Francis Carey, Lawrence; Theron Johnson, Middleton, Graduate Foreman.

Fruit Nursery: Alden Moreland of Middleton.

Ornamental Nursery: Robert Conway, Peabody; Harold Pierce, Marblehead.

BIRD LECTURE ENJOYED

Essex County 4-H Service Club members and the Middlesex County Service Club members met at Harold Parker Reservation on Friday, May 10 and enjoyed a bird talk followed by supper and in the evening a lecture by Allen Cruickshank of the National Audubon Society.

Mr. Cruickshank opened his lecture by showing pictures of the birds of Bonaventura at the tip of the Gaspe Peninsula. These were followed by pictures of birds native to this section of the country and he closed by showing pictures of birds in Southern Texas and Mexico. These pictures he took last year on a trip through the Southwest.

Mr. Cruickshank told his audience about the work not only of 4-H Clubs but the many Audubon Societies throughout the country.

Those who attended considered it a great privilege to hear Mr. Cruickshank and to see his beautiful pictures of lovely birds.

WEDDINGS

On Saturday, May 4, at the Ascension church, Ipswich, Ellen Wills of the Class of 1938 was married to Lionel Sheppard, Jr., a former student at Essex Aggie. After a wedding trip they will reside in their new home on the Brewer estate Labor-in-vain Road, Ipswich. A number of classmates and friends of the bride here at Essex Aggie were in attendance at the wedding.

At the West Boxford Congregational Church, Saturday May 11, Helen L. Andrew of the Class of 1928 was married to Eric H. Bergstrom of the Class of 1923. Both are officers of the Alumni Association this year. They will reside at 2 Lee Street, Salem.

A marked increase in the consumption of principal manufactured dairy products, especially evaporated milk and cheese, during the past decade is noted by the Massachusetts State College department of dairy industry. Consumption of cheese in 1939 was somewhat less than in 1938, but creamery butter, evaporated milk, and ice cream established new high levels in 1939.

ESSEX FARMER AND HOME MAKER

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NO. 6

A Possible Program For That Boy of Yours

Many of you who read this article have boys in your homes from 16 to 18 or 19 years of age. If so, you may be facing the problem of deciding with them what they are going to do in life and what, if any, shall be their further education and training for that work.

Vocational guidance, that is, guidance which leads to the placement of the boy in a job, has always been a major problem for those working with young people, but never more so than today. I have no quick and easy solution of this problem but would like to talk over some phases of it with you for a few minutes.

Essex Aggie offers opportunity for vocational training in agriculture and the art of homemaking. We have many candidates annually for admission to each of these departments. We would like to be of assistance in guiding towards our school those who may profit much by its training—we are equally concerned to help others realize that their opportunities lie elsewhere. I am writing especially of our agricultural department.

Our guidance problem naturally falls into two parts. There is the sifting out and selecting process previous to admission as a student; equally important is the guiding into the proper lines of endeavor of those who have been admitted to the training program. Agriculture is an exacting business, all conceptions to the contrary not withstanding. A noted authority list ten necessary qualifications which may be summarized in four factors to be kept in mind in guiding students into farming and into one or more definite lines of agricultural occupation.

1. Interest
2. Natural aptitude
3. Native Intelligence.
4. Physical capacity.

The mere fact that a boy lives on a farm does not necessarily mean that he should stay or is fitted to remain on the farm. Most of them probably should however. Nor does the fact that a boy lives in a town or city mean he should not train for agricultural jobs. Most should not but there are many who can and should.

The four points just mentioned should guide to a decision rather than the place in which the boy resides.

How may one decide to what extent a boy is qualified in each of these four points to enter vocational agricultural training? We would like to talk personally with every boy. We

(Continued on page 2, col 2)

Parents' Day Program

The annual Parents' Day in the Homemaking Department will be held Wednesday, June 19.

The demonstrations will be held in the morning beginning at eleven o'clock. The demonstrations will consist of the preparation and use of garnishes; individual salads, sandwiches, cake decorating, and manuring. There will be Book Reviews given by four senior girls in the afternoon. Between the Book Reviews and the Fashion Parade, Claire McMahon of Lawrence will sing. The Fashion Parade will follow this musical interlude. The exhibits may be seen in the class rooms throughout the day.

Exhibitions

In the Clothing department there will be a general exhibition of clothing made this year. Mrs. Dunn and Mrs. Clapp are having a "Fashion Parade" in which everyone will take part.

Mrs. Roundy our school nurse will have an exhibit of two trays which would be used by the convalescent person. Also in the exhibit by the High school group will be a demonstration of the sick bed and appliances. In the Freshmen class a demonstration of manuring will be given by Claire Rainville, Doris Gaudette, Irene O'Brien and Helen Small. The four girls will work in pairs.

Miss Clarke will have scrapbooks on War News, containing clippings and comments by the Seniors. Maps of scenic points of interest and natural resources in the United States will be on display. The Seniors will also have some business letters, the Juniors will have some informal notes and invitations, the Freshmen will have a display of friendly letters. From the High School A division will be some Housing Note books.

Miss Harris of the Art Department is having the groups taking Home Decoration make up color ensembles for rooms for the exhibition. The Freshmen will have decorated wooden boxes; the Juniors, general exhibit of the usual handicraft and objects made from amberol.

Miss Smith, Home Project teacher, will have a general exhibit of Home Project things.

The Foods Department will also have an exhibit.

R. B.

Salad Time Is Here Again

Yes—summer is the time of many salads but a good planner will say "salad time is always here". We certainly should include them frequently every week in the year, but I think we will all be using them even more often, in the hot weather that is approaching. There are two reasons for this. The crisp cold salad is most appealing to the appetite when the temperature rises and also the ease of preparation is a very important factor. Let me remind you however that every well planned meal will contain some hot food. This may be in the form of a simple soup, an excellent beginning for a salad meal, hot bread of some type, hot vegetable or hot beverage. No meal should be entirely made up of cold foods.

The types of salad you may choose to serve are innumerable, you know the family favorites, but vary the flavors frequently. Use a different combinations of fruits or vegetables. Change the garnishes (and don't forget that the garnish of a salad, while not absolutely essential is very important.) Many types of dressing are available and are easy to prepare. Be original in your salad and thereby please the family palate.

And don't forget to urge your family to eat the lettuce or other salad green. Herein lies one of the very important food values. We need raw foods and through salads we should get a variety of uncooked things into our diet.

I will give you a recipe for a gelatin salad that we have found to be a great favorite. Of course this can be varied greatly by adding different fruits and by using different flavors of gelatin. The cheese in this one seems to give it that different flavor which is so popular.

E. C. A. S. Salad

- 1 pkg. lemon gelatin
- 1 pint hot liquid
- 1-4 lb. cream cheese
- 1 cup crushed pineapple (1 small can)
- 1-2 cup celery
- 1 pimento cut up

Use the juice drained from the pineapple as a part of the necessary liquid with which you dissolve the gelatin. When this is partly congealed add the other ingredients which have been mixed into the cream cheese. Beat well. Put into moulds and chill, raw carrot, green pepper, olives or pickles are also good in this salad.

Don't forget a stuffed egg salad as the main part of a luncheon or supper. Hard cook the eggs (remem-

(Continued on page 3, col 2)

FARM AND HOME WEEK

The Annual Farm and Home Week will be held at the Massachusetts State College July 22 to 26.

Essex Farmer and Homemaker

HATHORNE, MASS.

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SACHETS

Sachets, those very old fashioned
frumperies—to help you to be dainty
and sweet—are back again.

We see them in modern versions,
from fat little squares of satin ribbon
in pastel shades and tied with
ribbon to tuck among your handker-
chiefs, to large and elaborate cases
for lingerie and quilted pads for
drawer linings.

You can make sachet pads in end-
less variety, using satin or taffeta
ribbon, handkerchief linen or white or
pastel shades, and you can quilt, tuft
or daintily embroider in daisy stitch
or French knots for decoration.

Sachets that will scent your hat
fragrant or may be pinned in your
hat or cover the knob of a wooden
hat stand with layers of sachet filled
wadding and cover these with a dec-
orated fabric to form a cushion.

Padding your garment hangers
with scented covers isn't a new trick
but it is a very nice one, or you can
suspend tiny bags of scented from the
hanger hook. These are nice for the
velvet hangers.

A little ingenuity, a few scraps of
silk or linen and some sachet powder
will supply you with fragrance for a
long time.

Abbie Clapp,
Clothing Instructor

BOYS' PROGRAM

(Continued from page 1)

would like to talk with his parents,
and, as time permitted, with his
teachers and some friends or neigh-
bors who know him well. If he is a
farm boy we would like to drop in on
him while he is at work. In these
ways we can find out quite clearly
something of the interest he takes
in his work, what his aptitude for
farm work and farm life, and some-
thing of his personal qualities and
characteristics.

The non-farm boy is more difficult
to size up. Nevertheless this same
procedure will reveal many helpful
facts. He will give some more or
less unmistakable evidences of his
interest and these facts will be known
by his parents or neighbors or teach-
ers. He likes to be out of doors. He
has a few hens, or a garden. He is
always spending his time working
around the place, or he is always over
at "so and so's" place helping around
the barn at chore time.

This evidence may not be conclu-
sive enough in some cases. To these
we say: "Go out and try yourselves
this summer on a real job". Perhaps
there is a relative, a friend, or an
acquaintance who owns and operates
a farm. Try if possible, to get the
opportunity to work on this farm
even though the pay may be small.
See how you like working on a real
farm under the every day routine of
farm life. If the boy's interest sur-
vives this test, or increases, and he
shows ability to fit into the farm pic-
ture with success, this is one of the
best possible evidences of his fitness
for agricultural training. We recom-
mend this try-out most heartily for
all boys who would like to qualify
for this training.

If any of my readers would like to
consult the School in connection with
some of these problems we would be
happy to have you communicate with
us; better still, come and visit us at
Hathorne. We will be glad to see you
and your boys.

Harold A. Mostrom,
Agri. Educational Manager

DO YOU KNOW THAT?

Your club, Sunday School, or any
group that wishes to go on a picnic
may have the use of Camp Leslie
just for paying the caretaker's fee?
If you or any of your friends are in-
terested and wish further informa-
tion or wish to make reservations for
the use of the grounds, call Miss
Fitzgerald at the School and she will
give you the information.

BETTER HOMES DAY

Mrs. Arthur Olson of Manchester
was re-elected President, Mrs. Ber-
tram Savage of Newbury re-elected
vice-president and Mrs. Charles Rey-
nolds of Lynn re-elected Secretary-
Treasurer. The Nominating commit-
tee for the coming year, Miss Marion
Parker of Beverly; Mrs. Carl Dodge
of West Newbury and Mrs. Charles
Kearns of Danvers.

Mrs. Arthur Olson was the presid-
ing officer of the day the morning
program Mrs. Howard Pettingill of
Georgetown exhibited her tapestries
and told about the making of them
several that she showed took a year
to make and the one that she is in
the process of making when finished
will have taken two years to make
spending from two to eight hours a
day working on them. This latter one
is a scene from Chaucer showing 19
of the figures of the Pilgrim on the
road to Canterbury.

Lawrence V. Loy, Recreational Spe-
cialist at the State College led in the
singing and spoke on Recreation in
your home. Miss Beatrice Billings of
the State Department brought the
greetings from the State Department
and told of the plans for the Annual
Farm and Home week at the State
College. Miss Marion Parker of Beverly
gave a report of the study of Cul-
ture in the Community. Miss Pauline
Goodhue chairman of the Nominating
committee from Ipswich gave her re-
port.

Mrs. Nancy DeFrancesco Oliva of
Salem rendered several piano solos
during the afternoon program. Mrs.
Robert Parmenter of Amherst gave
an illustrated lecture on "Your Mass-
achusetts."

A social hour was enjoyed with re-
freshments being served under the
leadership of Miss Esther Belair of
Lawrence.

Mrs. Mary M. McIntire, Home
Demonstration Agent for Essex Coun-
ty and members of the Advisory
Council planned the program.

JOHN BATTIS, WINNER

John Battis of Amesbury has won
a membership in the Massachusetts
300 bushel potato club, having pro-
duced 325 bushels of potatoes on a
measured acre, being part of a total
crop on two or more acres. This cer-
tificate is signed by President Hugh
Baker of the Massachusetts State
College; W. A. Munson, Director of
the Massachusetts Extension Service;
Ralph Donaldson, Extension Agrono-
mist and F. C. Smith, County Agri-
cultural Agent.

There are likely other growers in
Essex County who grow as many
bushels per acre as Mr. Battis. They
should notify the County Agent in
order to have the acreage and yield
checked, in order to get the record,
certificate and recognition.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

JUNE, 1940

STUDENT EDITORS

Homemaking Department

Ruth Bessom '40	Marblehead
Doris Call '40	Newburyport
Harriet Dunkason '40	Methuen
Kathleen McCarthy '40	Peabody

AGRICULTURAL DEPARTMENT

John Ambrefe '41	Beverly
George Banks '41	Saugus
Howard Bacon '41	Lynn
Harold Jones '41	Danvers
Preston Lee '41	Peabody
Warren Brown '41	Salem
Peter Venti '41	Danvers
Robert Landry '41	Gloucester
Henry Lay '41	Merrimac

GIRLS ASSIST ON BETTER HOMES' DAY

On Wednesday, June 5, the annual Better Homes' Day was held under the direction of Mrs. Mary M. McIntire. Mothers and friends came for the day bringing their children with them as the following group of girls from the Homemaking Department were available to care for them. Gwendolyn True of Beverly, Dorothy Farnham of Peabody, Louise Leach of Peabody and Edith Boissonneault of Middleton. At 3.30 P. M. tea was served by the Homemaking students with the following girls acting as waitresses. Laboratory assistants Ada Marsland of Methuen and Olive St. Pierre of Salem; Students Joan Manwell of Marblehead, Claire McMahon of Lawrence, Ernestine Lawrence of Marblehead, Priscilla Cobb of Salem, Ruth Bessom of Marblehead and Harriet Dunkason of Methuen.

H. A. D.

SCHOOL PICNIC

On Monday June third the Echo Club was in charge of a "get-together" of the Homemaking Department, both students and faculty, at the Athletic Field. The girls were divided into twelve groups with a senior and a faculty member included in each group. They were served a regular box lunch and afterwards a five-inning baseball game was played between the Junior-Freshmen team and the Senior-High School Graduates team. The Freshmen and Juniors won 12 to 10. After this both students and faculty reluctantly returned to school and resumed classes.

D. C.

FOURTH ANNUAL JUNE GARDEN SHOW

The Junior girls home garden class in the Homemaking Department will hold a garden and flower show in the Floriculture Building as a contribution to the program of Parents' Day, Wednesday, June 19.

The show will feature dish gardens and terrariums, with plants suitable for use in miniature gardens. One room will contain collections of shrubs, evergreens and garden flowers. Flower arrangements will be shown. In general the show will reflect the class activities of the girls. It will be open to visitors all day Wednesday.

Lillian Kilgour of Newbury is manager, assisted by Reina Gumb of Methuen, Ilene Briggs of Beverly is clerk. Division chairmen are as follows: Junior girls gardens, Jesse Shaw of Hamilton; Collections, Olive Tuttle of Middleton; demonstrations, Evelyn Seacole of Lawrence; house plants, Alice Currier of Newburyport; plant arrangements, Dorothy Bozek of Peabody; garden flowers, Bernice Marsland, of Methuen; flower arrangements, Dorothy Bozek of Peabody; garden flowers, Bernice Marsland, of Methuen; flower arrangements, Velma Robinson of Lawrence; garden plans, pictures, diaries, notebooks, scrapbooks, Edna Hughes of Middleton.

H. L. W.

PROJECTS

Home Project is an important subject carried on by the girls in the Homemaking Department. This work shows the ability of the girl to carry out at home, work taught at school and it tests her adaptability to her surroundings. To pass a year's work a girl must have completed eight units during the school months and four during the summer vacation; thus making a total of twelve units for the school year. The number of units a girl receives for each project depends upon the quality of her work and the time it took to complete it.

Some of the girls have secured summer positions in private homes, hotels, institutions, camps and tea rooms. This work will give them their project credit required during the summer. The other girls who do not have employed positions during the summer carry on their project work at home.

K. McC,

STUDENTS VISIT AMOUR PLANT

On May 14, the Juniors, Seniors, and High School Graduates visited the Armour Plant in Salem. On that Tuesday afternoon the students went down to the plant in buses and private cars. They all grouped in the shipping room and were then taken on their tour.

They entered the store room which was exceedingly cold, the temperature being held at 32 degrees. Then they saw the differences in beef—good, poor and aged and were told how to choose good beef. After the inspection tour they watched a demonstration.

At the demonstration the men cut up a side of beef into wholesale cuts—the chuck, rattle, rib section in the forequarter and the rump, the shank and the round in the hind quarter. The girls then asked questions. The girls thus combined an enjoyable and educational period during the afternoon.

D. C.

ECHO CLUB NOMINATIONS AND ELECTIONS

During the week of May 26, two meetings of the Echo Club nominating committee were held. The nominating committee consists of the following girls: Chairman Louise Leach, Senior; Lucille Treamer, Junior A division, and Doris Donze, Freshman A division. The following girls were nominated for election.

President—Frances Calvert, Muriel Craven and Muriel Pontius.

Vice-President — Betty Johnson, Ruth Karlson, and Elaine Kennedy.

Treasurer—Claire Burgess, Alice Currier, and Bertha Delduca.

Secretary—Betty Kirwin, Dorothy Rowbottom, and Virginia Rushworth.

Election will be held in each home room on Monday morning, June 10, and the results will be announced at the Annual Echo Club meeting to be held in the afternoon.

H. A. D.

CLASS OF 1939 GIFT

The Class of 1939 gave to the Library in the Agricultural Department several books and after all graduating expenses were paid they found a small surplus and recently three more books have been added to those given by this class last year. They are: Harbor Lights of Home by Edgar Guest; The Complete Swimmer by Ulen and Larcom; Fun for the Family by Jerome S. Meyer.

AWARDED LETTERS

Each year an Old English E is awarded to students who have held a high scholastic standing during the year and entered into extra curricula activities. Those who have been awarded a letter this year follows. * Those who received a letter last year will receive a star. ** Those who have received their letter and one star will receive a second star. *** Third star.

Robert Chabot, Bradford; **William French, Lynn; *Arnold Hebert, Saugus; *Newton Henriksen, Lawrence; *David Irons, Salem; *Edward Mitchell, Lynn; Warren Nelson, Methuen; *Francis O'Connor, Lynn; *Russell Weinhold, Lawrence; Howard Bacon, Lynn; George Banks, Saugus; Harold Jones, Danvers; Victor LaBranche, Haverhill; Henry Lay, Merrimac; Joseph Scouller, Lynn; Eugene Venti, Danvers; Robert Gagnon, Lynn; Harold Raynor, Danvers; Robert Anderson, Gloucester; Robert Bertram, Salem; Raymond Mizzi, Salem; and Christos Mpelkas of Lynn.

TERMITES OR CARPENTER ANTS???

Many people in Essex County are bringing their household pest problems to the Essex County Agricultural School. During the month of May, several Termite and ant problems were handled. Director Fred A. Smith is of the opinion that people should examine their buildings in order to make sure that Termite or Carpenter Ant colonies have not become established. Anyone having such trouble can receive help by communicating with the School.

F. C.

GRAIN OR GRASS

The Ohio Experiment Station reports the results from tests of grass and grain-permanent pasture with lime and fertilizer treatments compared to those used on rotated land produced an average of 5084 pounds of dry matter and 578 pounds of protein per acre; rotated land 5396 pounds of dry matter and 408 pounds of protein matter. The cost of production on pasture was \$11.59 per acre; on the rotated land \$20.68.

"In another experiment two 5 year rotations one largely a grain rotation, in the other chiefly grass were compared. The grain rotation produced 12902 pounds of total digestible nutrients and 284 feed units, while the grass rotation produced 15,435 pounds and 366 feed units. No records were kept of production costs but they were definitely less for "grass" than for "grain" rotation.

F. C. S.

COMMITTEE SUPPER MEETINGS

The Leslie Grove Fund Committee organized for the purpose of raising funds for the 4-H Camp at Leslie Grove, held their first meeting at a supper in the dining room of the Homemaking Department on March 14th. The meal was prepared by the laboratory assistants and was served by some of the girls in the Homemaking Department. The committee has held meetings each week at suppers and the students have prepared picnic suppers, at two occasions at Leslie Grove for them.

K. McC.

PROJECT REPORTS

While the boys are out on their summer projects they send into the School each week a report of their work. Excerpts from two reports follow:

This completed my fifth week on project. There are 21,000 birds on range. It takes between 5-6 hours to feed. We are feeding about 2½ tons of grain a day and 600 gallons of water are consumed. In spare time we pick up brush and dead trees to keep the range looking neat. We check the fence every week to see if repairs are needed.

F. B.

After about two days off it seemed good to go back to work. The work is about the same except that we have started to paint the barn. We have not taken time off after dinner since painting began. The cows will be turned out to pasture next week.

MEMORIAL PROGRAM

On Wednesday afternoon May 29, at an assembly in the Homemaking Department a Memorial Program was presented by the Freshmen in charge of Dorothy Rowbottom. The program was as follows:

Salute to the Flag Students
Song "Battle Hymn of the Republic" Students

Poem read by Doris Donze, "O Would That Wars Should Cease" by Tennyson

Story read by Virginia Rushworth, "The Young Sentinel"

Song by students, "God Bless America"

Poem read by Rita Bosse "The Ballad of Heroes"

Song by students, "Tenting To-Night"
The program was closed with a poem read by Irene O'Brien, "Sherman's March to the Sea".

H. A. D.

ESSAY CONTEST WINNER

Martin Sevoian of Haverhill has again been awarded a prize from the Swift and Company for an essay on "The Meat Packing Industry in America." Sevoian's essay last year on the same subject received an award.

EVALUATION OF D. H. I. A. IN ESSEX COUNTY

Briefly, Dairy Herd Improvement or Cow Test Work as it was formerly called is that arrangement by which dairy cow owners can best increase the efficiency of their managements not only of the individual members of their herds but of their farms and life in general.

The United States Department of Agriculture for nearly two score years has been doing its best to have the farmers realize the benefit from this work. A supervisor works one full day a month on each farm participating in the D. H. I. A., and is paid for his services by the owner of the farm. As the result of careful records kept by the supervisor, he is in the best possible position to suggest ways and means of improvement. With D. H. I. A. members and the staff at Essex County Agricultural School always ready to be of service, every dairy cow owner in the county should be either a regular or associate member of this association, which has no dues. Owners simply pay for the work as performed.

Officers of the Essex County D. H. I. A. are: Herbert Kimball of Haverhill, President; William Abbott, Hathorne, Secretary; Jacob Ranta, Rockport, Supervisor; Instructor Kenneth Forman and County Agent F. C. Smith, are all giving much of their time and energy to increasing the membership in the association.

Among the dairymen who have recently joined are Edward Shattuck of West Andover, who has had purebred Holstein cattle on his farm for many years; and Ralph Woodworth of West Newbury who has kept accurate records of each cow and their ancestors for a long time.

In the near future the D. H. I. A. hopes to be of assistance in securing well-bred heifer calves for members; supervision of herds by a competent veterinarian and other services which are not available to the average dairyman.

William Abbott

WHEN EXPECTING A CALF

When expecting a calf, provide adequate care before and after. Follow these practices:

Dry the cow off to insure a rest period of 6 to 8 weeks.

Feed liberally to insure an excellent state of flesh.

Provide mildly laxative feeds for 10 days previous to calving.

Provide a clean, comfortable, safe place for calving.

Be ready for trouble—malpresentation, milk fever, etc.

Make sure the calf gets its mother's milk for 4 days.

Give the cow light, laxative feeds for 2 or 3 days after calving.

Avoid milking clean for 4 days after calving.

J. F. C.

IMPROVING ESSEX COUNTY PASTURES

Perhaps the most forcible expression of opinion on the value of pasture is advanced by a French writer who asserts that the term "grass" is only another name for beef, mutton, milk, bread and clothing; or in the Belgian proverb, "No grass, no cattle, no cattle, no manure, no manure, no crops!" Certain it is that the value of good pastures can not be over emphasized.

The place to produce cheap milk is on pasture. Here in Essex County we have many acres which are declining in yield because of neglect, and failure in some cases to realize that returns over feed costs are greatest during the pasture months. Also, there are large areas which on account of rough topography and rocks are unsuitable for tilled crops, yet are interspersed with good soils. We can and must improve the better soils of this type by top-dressing with superphosphate or a complete fertilizer, as the soil conditions call for.

Very few farmers have taken an inventory of their pasture lands to determine where their cows are getting the most to eat, and to find where the best soils are. It is here that a start should be made. A dollar spent for phosphoric acid for a good pasture sod buys 150 pounds of dry matter, and a dollar spent for nitrogen buys 188 pounds, while a dollar spent for feed of a like protein content, 16-19%, and a like high digestibility, seldom buys as much as 100 pounds. The problem, however, is not merely one of producing more herbage, or herbage of better quality or of increasing the acre yield or acre yield or acre profit but rather one of producing more good grazing, when it is most needed. That is where the planning and management phases of the problem comes in. Details such as fertilizing to provide good grazing early in the season, grazing control to avoid wastage of the June flush and to hold over as much as possible until later than normal. Also, special provision for late summer grazing in the form of aftermath following early cut clover, alfalfa or fertilized grass or such crops as Sudan grass, millet and sweet clover, must all be planned well ahead of time.

Ladino clover produces an abundance of feed and lasts through the pasture season from spring to fall in good shape, provided rotational grazing is practiced.

Some points to be considered in a management plan are as follows. They are adapted from the system worked out at the Hohenheim Experiment Station in Germany.

1. Divide grazing land into separate paddocks containing not over 1-4 to 1-2 acre per cow. Fencing with electric units comes in handy here.

2. Fertilize one paddock intensively with high nitrogen complete fertilizer to provide early grazing.

SALAD TIME

(Continued from page 1)

her boiling toughens egg white' so cook for one half hour just below boiling temperature). Remove the yolks and mash. Mix with the yolk something to give flavor. A small amount of left over ground meat, crab or tuna fish, cheese or combination of raw vegetables greatly adds to the filling. Add salad dressing to make a good consistency and pile this mixture lightly into the whites of the egg. Serve with sliced tomatoes and cucumbers, potato chips on the side and some nice hot gingerbread and you have a grand meal.

Here's good luck to you salads this summer. Let's have more and better salad meals.

Ruth Emerson,
Food Department

PROMOTION OF MASSACHUSETTS FARM PRODUCTS

The Massachusetts Industrial and Development Commission has allotted \$14,000 to the Department of Agriculture to spend in the promotion of Massachusetts farm products.

Plans for the use of this fund were made through the cooperation of the Dept. of Agri., the Mass. Farm Bureau and the Farmers' Associations.

Three forms of advertising will be used: 1. One minute radio "spots" over stations WBZ, WAAB and WTAG. 2. Do you know "Car Cards" in the Metropolitan Busses and trolleys. 3. Booklets giving pertinent facts on vegetables and fruit.

The radio "spots" and "car cards" began on June 1st and will continue for five days each week until December 1st. Watch for them.

The Fruit booklet is already in the hands of the printer and should be ready for distribution soon.

The material for the Vegetable booklet has already been sent in and the booklet is in the process of development.

Calton O. Cartwright

3. Graze in rotation the several fields to enable the grass to make a good recovery.

4. Plan definitely in advance for an extra supply of grazing during the late summer period of slow growth.

5. Apply fertilizer to pasture very early, 6 weeks ahead of grazing season.

6. Graze off quickly at the stage of maximum leaf growth without stessiness.

Amos Davidson,
Apprentice Teacher in
Animal Husbandry

GARDEN CHAT

Have you noticed small black beetles about the size of the end of the lead in your pencil jumping around on the foliage of your tomato, turnip or radish leaves? They are called flea beetles; they are controlled by using Bordeaux 2-2-50 and Calcium Arsenate, 1 lb. As a spray, or as a dust, 20 parts of Copper, 10 parts of Arsenate, and 70 parts of Lime can be used. Either of these methods of control should be repeated every 10 to 14 days.

Perhaps the peas have signs of plant lice or aphids? If so you should spray using 1-2 pint of Nicotine Sulfate and 2 lbs. of soap to 50 gals. of water; or if you dust, use a 2% Nicotine Lime dust.

Cuke beetles are appearing in large numbers on all the vine vegetables. Apply a Calcium Arsenate, Red Copper Oxide and talc mixture as a dust every 10 to 14 days.

Cabbage worms will be on the cabbage before long if you haven't seen them already. Dust or spray with Calcium Arsenate or Rotonone.

Efforts are being made to reduce corn borer damage this year. Four applications at five day intervals should be applied to the whorl of the stalk commencing about June 10th. Dual-fix, Nicotine or Rotonone should be used. Refer to Extension leaflet No. 116, of Mass. State College for further details.

Do your beet leaves show quite a reddish cast to the leaves? Perhaps the cold wet spring has caused part of this condition this year. If the plants grow out of this you will know that your soil is quite satisfactory from a calcium of lime standpoint; but if the leaves of these plants continue to have a reddish color you will then know that your soil is too acid for the growing of beets, spinach, lettuce, cabbage, etc. Before another planting season you should have your soil tested and apply lime accordingly to correct the acid condition.

Those of you who plant early crops will note a heavy infestation end of May and early June. Keep the hoe and cultivator moving to upset their roots. Just as long as weeds continue to flourish the vegetable crops are being robbed of plant food by these weeds. Keep the weeds out so that your vegetables will have full use of all the plant food available.

Heavy infestations of blight have been noted on tomato plants and therefore greater care should be given to the control of this serious disease. Use as a spray a 2-2-50 Bordeaux, or a 20-80 Copper Lime Dust, —repeat at 10-14 day intervals.

C. M. Stearns



4 - H CLUB NOTES



CANNING FOR SUMMER

"Why not have a 4-H canning garden this year and raise most or all of the vegetables you will need to can. The satisfaction of beautiful rows of canned vegetables on the cellar shelf is increased many times if the canner knows that she grew the original products in her own garden."

There is a canning project for every stage according to your experience. If you are a beginner choose Programme 1. Can 20 jars of fruit and vegetables. Include some tomatoes and string beans.

Keep a record of canning done and give to local leader at end of season.

Enter a judging contest at club meeting or a fair.

Exhibit six jars at club exhibit or fair to include: 4 vegetables (may be different vegetables or two jars of tomatoes and two jars of some other vegetable). 2 fruits. Do something for someone else such as making a gift of a canned product.

Work toward the 4-H Health goal, "Hike for Health", by taking part in at least one hike.

The completion of a program will entitle you to a 4-H award according to the number of years that you have been in Club work. Any canning that you do, whether for home use or for others, may be counted toward the completion of your program.

Every 4-H member is required to make an exhibit. Topsfield Fair offers excellent opportunities for all Essex County Canning Club members and many are already looking forward to September when they will exhibit the products they have grown and canned this summer.

The new project for First year 4-H Club members is entitled "4-H Home Canning by Mother and Daughter". It is in two parts.

1. The 4-H Daughter

1. Plan with mother the amount of canned products the family needs.

2. Help with family vegetable garden if there is one.

3. Can the following amounts alone. 5 jars of vegetables, 5 jars of fruit.

4. Every time that you help mother with her canning, give yourself credit for one jar for every ten jars that she cans.

5. Keep a record of canning done. Give to club agent at close of summer.

6. Exhibit products at local exhibit or fair.

2. The 4-H Mother

1. Plan family canning needs and let daughter help you.

2. Encourage daughter to help with home canning.

CAMP LESLIE TO OPEN JULY 21

Camp Leslie will open July 21 for a period of four weeks according to a statement made by Horace J. Shute, Camp Director.

The announcement followed a meeting of the Trustees when the camping program was discussed.

A change in the camp program will take place this year which will enable the campers to accomplish more specific work on their project. The change will come in the morning program which will be devoted to crafts and hobbies. With the exception of those studying birds, this will effect all the campers and will allow them more time in the afternoon for concentration on their particular camp project.

It is planned to accommodate 50 campers for each of the four weeks this year. This will provide for 200 camper weeks.

Applications for the camp are being received now by the director. From the interest shown thus far by the club members there will be little trouble in reaching our quota. Be sure to get your application in soon.

The Trustees are planning to erect four cabins for the girl campers this year. This will start the building and camp development which, when completed will equip the camp with buildings and facilities for 100 campers at a time.

4-H Club members interested in attending camp this year should write to Horace J. Shute, or Miss Helen A. Walker, Assistant Camp Director, Hathorne, Mass. for application blanks and full particulars.

H. J. S.

STATE GIRLS' DAY

Miss Walker and five Essex County Club girls attended the annual State Girls' Day at the State College on June 1. Shirley Lister of Methuen received "Very Good" in the dress contest. Florence Huard, Margaret Hart of Methuen and Arlene Dozier of Swampscott received "Good" in the dress revue while Audrey Boisvert of Beverly received "Good" in her Food demonstration.

3. Give daughter responsibility of canning ten jars alone.

4. Help daughter with keeping of records.

For any further information on Canning Clubs communicate with Assistant Club Agent Helen A. Walker, Hathorne, Mass.

Helen A. Walker,
Asst. Club Agent

COME TO CAMP LESLIE JUNE 30!

The Trustees of Camp Leslie have designated Sunday, June 30, as the day for the dedication of the camp to the youth of Essex County. Plans are not yet complete but there are a few things we can report to you at this time. There will be ample parking place (free) across the street from the camp grounds and there will be a public address system set up for the day so that all may enter. Part of the program will be broadcast over Radio station WLAW.

You are invited to come and enjoy the band concert from three to four o'clock, then stay for the dedicatory exercises which will not last over an hour. Bring your picnic supper, (refreshments will be for sale) and we hope you will stay for the Vesper service which will be held in true 4-H manner.

Willard Kelly of Merrimac and President of the Board of Trustees of Camp Leslie will preside at the meeting, among the special guests will be Mrs. Leslie, Judge Simoneau, Director Smith, "Uncle George" Farley, Raymond Eaton, and Pauline Cursi will be the soloists, Mrs. Martha Robinson, accordionist with Francis Watkins and Doris Johnson accompanists.

The committee working on this programme are Mrs. G. Richard Abbott of Andover and Warren Page of Middleton co-chairmen, assisting are: Miss Frances Demerit of Bradford; Mrs. Charles Ropes, Salem; Mrs. Horace Shute, Methuen and Mr. Herbert Lewis of Andover.

TO ATTEND STATE CAMPS

Many older 4-H boys and girls and local leaders of Essex County will attend the leadership training camps held on the Campus of the Massachusetts State College this summer.

Since all of the records are not in the County office at this time we are unable to announce the names of those who will attend the camps this year.

Essex County Club members will be represented in the following camps: Conservation Camps, July 5-12, two boys and two girls from each county. 4-H Music Camp, July 5-12, two boys and two girls from each county. 4-H Recreation Camp, July 5-12 two boys and two girls from each county. 4-H Junior Leaders' Camp, July 12-19, two boys and five girls from Essex County will be selected. 4-H Adult Leaders' Camp, July 19-26; four leaders from Essex County will attend.

H. J. S.

ESSEX FARMER AND HOME MAKER

VOL. 22

HATHORNE, MASS., JULY, 1940

NO. 7

A Possible Program For Your Boy

Last month we called to the attention of our readers some of the opportunities at Essex Aggie for boys who desire to train in farming occupations. We pointed out some of the necessary qualifications for success in this field of endeavor and how important it is that a boy be carefully guided in making this decision.

After a boy has been admitted to our training program there is still a problem of guidance. Throughout the first year there are numerous opportunities offered for each boy to find out what he particularly likes and is adapted to do. During the first few days of school a series of agricultural identification contests are given to help determine the variety and degree of a boy's agricultural background. He is asked to identify from 225-250 elements from all phases of agriculture; vegetables, fruits, seeds, weeds, trees, shrubs, flowers, insects, types of animals, tools of the farm, etc.

All new boys fill the silo each September. They pick 1000-1500 boxes of apples and other fruits from the school orchards. They harvest and prepare vegetables for market. They do some fall plowing. One class, (agricultural survey), rotates these new boys from week to week through out the first year, from poultry to fruit, to dairy farming, to floriculture. This, all in addition to their major study of vegetable gardening. In this way these boys are constantly faced with a challenge: how did you like that job you did today? He finds himself leaning towards some and not so interested in others. In this way his interests are gradually shaped and strengthened and he becomes better able to decide what things to choose for his major studies after his first year. And after all, agriculture is not one vocation but many.

For the farm boy, the program should be largely determined by the needs of the home farm. This involves in each case a study of the home farm. What enterprises are being carried on? What enterprises can be carried on profitably? This study results in a long term project planning program and forms the basis for his studies in agriculture each year while he is in school.

Each boy reviews his plans at least once a year with the Educational Manager and this review not only concerns the coming year, but his program for the entire remaining period of his training. Moreover, each boy before graduation, develops his own five year plan in which he forecasts the development in his own life

(Continued on page 2, col. 3)

Nursery Notes

MacDonald Rhubarb

This new variety, outstanding because of its beautiful deep red skin and underflesh, has again demonstrated its value. It is a heavy producer of beautiful stalks. The outstanding feature is that the cane is much less acid, allowing a cut of from thirty-three to forty per cent in sugar when cooking.

The cooked product is outstandingly beautiful, being about the color of cranberry sauce. Sixteen out of 19 teachers who tested the product under number placed this variety as their favorite.

Strawberries

In the test of varieties, Catskill again this year demonstrated its value, both as to quality and yield. It is now the major mid-season berry in this region. Size and quality of fruit and vigor of plant and ability to make strong plant growth are features which commend it.

In our experience the only variety which approaches it is Cato, which is less satisfactory in yield but in beauty of fruit, showing a deep red flesh and high quality, it is clearly an outstanding berry for the home garden.

Raspberries

After an almost complete failure last year, due to rains and fogs at ripening time, it would appear that this year is to be one of the best raspberry seasons we have experienced for years.

The even, moderate cold of last winter was not serious on the raspberry canes, many of them coming through with one hundred per cent hardy wood. This has been followed by a very favorable growing season. Insects, mainly bees, have been very active in fertilizing the flowers and a good crop is in sight.

Concerning varieties, it would appear that Taylor is going to push into the class of desirable varieties. Viking is still good, judged on hardiness, yield, quality of fruit, and freedom from disease.

It would appear that many of the latest varieties have been selected because of resistance against mosaic. There is an increasing tendency for small fruit plantations to show enough difficulty from insects and diseases that a thorough spraying campaign will need to be worked out. More attention must be given to this branch of the work.

SCIENCE AND PROJECT TOUR

Tentative plans provide for an Essex Chapter F. F. A. tour to the Waltham Field Station on August 7, which is also the Annual Field Day at the Station.

Farm and Home Week

Farm and Home Week will be observed at the Massachusetts State College July 23 to 26 and a number of Essex County Farmers and Homemakers are planning to attend.

Mrs. Arthur Olsen, president of the Women's Advisory Council here in Essex County will be a member of the conference and taking an active part in the discussion at the Extension Service Advisory Council Luncheon on the 25th.

Joseph Smith of Lynnfield Center is to lead the discussion on Wednesday, July 24 in the Livestock division. The subject will be "Swine in a Diversified Agriculture."

EXHIBIT OF GLADIOLUS

Gladiolus growers and flower show goers are looking forward to the 21st annual exhibition of the New England Gladiolus Society, at Horticultural Hall, Boston, August 14 and 15. Schedules and entry tags may be had from H. Linwood White, chairman of the exhibition committee, Hathorne.

WINDOW GARDENERS' DAY

Window gardeners of Essex and adjoining counties will be the guests of the Eastern Branch of the American Begonia Society, at the School, on Saturday, August 24, 10.30 to 4.00. A Program of informative talks and demonstrations concerning the propagation and care of house plants is offered. Lath houses and shelters for potted plants in summer will be in operation.

The students operating the School greenhouse will have some interesting plant groups on display.

All visitors are invited to bring from home one or more specimens for the show tables.

The Begonia group, will furnish fruit punch, and tonic and ice cream will be on sale. Any officer will furnish you with further information. They are: Earle A. Sampson, President, 67 Maple Street, Waltham; H. Linwood White, Vice President, Hathorne; Aubert Giles, Secretary, 8 Walnut Street, Danvers; and Charles Gould, Treasurer, East Street, Middleton.

Notices will be sent by mail to all members of the Chapter announcing the date and transportation arrangements. Members having dairy and poultry interests will visit farms enroute to Waltham.

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

A MONTHLY PUBLICATION SUBSCRIPTION 25c PER YEAR

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Association
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EXCERPTS FROM STUDENT WEEKLY REPORTS

July 5th

Monday I planted late beets, spinach, carrots, cucumbers and beans. I plan one more planting of beans and corn. All of my garden crops are doing well. Onions, lettuce, spinach, have been ready two weeks. Cabbage is being cut and peas are ready to pick. On Friday, July 5th a terrific hail storm hit the orchard and ruined a 700 bushel crop of Baldwins.

H. B.

On the day I am to make butter milk I take a batch of raw milk, about 30 jugs, and separate one and one-half jugs of cream to bring the butter fat to about 2 percent. During the separating the milk is kept at 90-100 degrees Fahrenheit. After all the cream is separated from the milk I then heat the vat up to 180 degrees to kill all the bacteria. The vat is then cooled to 76 degrees and starter is added. The milk is held at this temperature for 14 hours after which it is butter milk.

R. W.

The last cutting of asparagus was made this week. I also helped to harvest and pack lettuce ready for shipment to the market. Lettuce is packed 18 heads to the crate. Beets were picked this week and bunched four to a bunch and 18 bunches to a box. I also picked peas and weeded and thinned beets.

G. F.

PARENTS' DAY OBSERVED

The annual Parents' Day was observed by the Homemaking Department with many of the parents and friends of the students present.

In the morning there were demonstrations of manicuring and the making of beds with patients in them, the proper way to fix trays for invalids.

In the faculty dining room a group of girls demonstrated the decorating of various types of cakes, the making of sandwiches, plain and very fancy ones for teas and at another table a group showed how to make salads and garnishes. As usual these demonstrations proved very popular.

In the class rooms were the exhibits of the work accomplished during the school year, the various articles made in the art classes as well as types of interior decorating, an exhibit of the various types of silk and nylon stockings. The library was used not only to exhibit some of the new books in the school library but for the academic work, with notebooks made by the pupils and on the bulletin board were two maps made by the girls, one of the scenic points of interest in the United States and the other showed the natural resources of our country.

As usual there were the dresses on exhibit and in the afternoon there was a Fashion Parade as the finale. Four of the girls gave book reviews during the afternoon program.

Tea was served after the program and a social hour was enjoyed.

JUNIOR GIRLS GARDEN SHOW

In conjunction with Parents' Day the Junior Girls held their annual Garden Show in the greenhouse. The prize for the most out-standing exhibit went to Evelyn Seacole of Lawrence.

There were many other prizes given and it took the judges some time to decide which should receive first prize, second, etc., as there were so many fine exhibits.

Those who won first prizes were Christine Brunn, Evelyn Seacole, Lena Barbagallo, Reina Gumb. Others who received prizes of lesser degree were: Elinor Carter, Frances Calvert, Claire Burgess, Muriel Pontius, Lillian Kilgour, Ilene Briggs, and Bernice Marsland.

The judges were Mrs. Harold A. Mostrom, Mrs. Herbert June of Danvers and Elmer Young of Methuen.

ALUMNI NOTES

Elwood G. Merrill, Essex Aggie 1913-1915 and formerly of Middleton, visited the School the other day with his wife and daughters Barbara and Elizabeth.

After leaving Essex Aggie, he went to Fairfield, California and now resides in San Diego, California where he is now Vice-President and Assistant Trust Officer in the Union Title and Insurance and Trust Co. He is President of the San Diego Kiwanis Club.

POSSIBLE BOY'S PROGRAM

(Continued from page 1, col. 1)

program for that period of time. This gives to each a definite objective to achieve within that time limit.

One of the most important factors in helping to guide the non-farm boy is the summer project program. The farm boy has his own farm on which to work out his enterprises but the non-farm boy must work for others. This placement period of 5 or 6 months not only gives him the needed training in the skills of the many jobs but also gives him far better opportunity to decide what lines of farming he finds within his ability and most to his liking.

Thus, in a program which lasts the year round including the class room project seasons, we are endeavoring to guide the boys who have been permitted to enter upon this training into that place which they can fill most acceptably to themselves and to their community.

May I remind you again of the four factors. There must first be a real and vital

Interest

in the work. This is fundamental but not enough. Many boys are interested in certain occupations but have no

Natural Aptitude

for accomplishing the work. There must be an ability to do successfully the many jobs or skills. But with these must be combined a high degree of

Native Intelligence

The head must be able to guide the hands, plan the work, solve the problems of management, marketing, etc. And all these demand

Physical Capacity

a body strong enough to endure the rugged farm work. This is by no means an unimportant item and students who lack the physical equipment to stand up under the program of hard work are thereby limited as to the kinds of agricultural work which are open to them.

There is one more thought in connection with this article on guidance which needs to be emphasized and which is always in the back of the mind of every faithful teacher. That is, the necessity of guiding our boys in the development of those qualities which make for strong character and good citizenship. Such qualities for example, as initiative, cooperation, industry, courtesy, faithfulness, obedience, honesty, truthfulness, dependability and other moral qualities without which the most skillfully trained man is only a liability to him self and every one else. A training or guidance program can scarcely over-emphasize these and no education is satisfactory, that has neglected them.

Again may I suggest that if any of our readers would like to consult the School in connection with some of these problems we would be happy to have you and your boy come and visit us at Hathorne.

Harold A. Mostrom,
Agri. Educational Manager

GARDEN CHAT

Some interesting results have been obtained from the use of chlorpicrin—for the control of damping-off, aster yellows, weed control, club root and nematodes on greenhouse crops. If interested in this means of control, why not observe its use and results at the Waltham Field Station on August 7th? Further work is being carried on at the Essex County Agricultural School for the control of damping-off and weed control.

At the time of writing of these notes, the first of July, the potato fields are looking good. Those at school are just coming into blossom and are being hilled. Good yields of potatoes seem to be in the making if favorable weather conditions continue.

Frequent sprayings or dustings should be made for all crops that are infested with diseases and insects. One cannot expect good crops if something else competes against their success.

Information has just been received from the Department of Agriculture giving dates for the various vegetables as they appear on our local markets for best quality and lowest prices. Some of them you may be interested in are as follows:

Asparagus, May to July; Dandelions, April to middle of May; Rhubarb, last of April to July; Beans, (Green & Wax) July to middle of September; Broccoli, July to middle of November; Cabbage, middle of June to December; Cauliflower, middle of June to December, but mostly from September to December; Corn, end of July to middle of September; Peppers, August 1 to October 1; Spinach, May to December; Beets, (as bunched), middle of June to November; Carrots, (as bunched), first of July to November; Celery, July to February; Cucumbers, (out of doors), end of July to first of October; Lettuce (out doors), end of May to October; Onions, July to December (in largest quantities); Potatoes, middle of July to December (in largest quantities); Radishes, out doors), middle of May to November; Squash, (Summer) end of June to October; (Winter) from first of October to March; Tomatoes, (out doors) end of July to middle of October.

The cool weather this spring has caused quite a yellowish growth to the foliage; such as, on beans and corn. A top dressing of either a complete fertilizer or nitrate of soda will help to bring these plants out of this condition and a nice dark green color will be realized. The cool weather has caused a slow bacterial action in the soil and the top dressing will serve as a tonic.

If cabbage heads come along faster than you can use them, disturb the plant roots slightly to help hold growth for a few days. Speaking of cabbage, it is time to get your late plants set for fall use.

SWEETBREADS

Sweetbreads are one of the greatest of all meat delicacies. They are the thymus glands of the young calf and lamb. These glands consist of two parts connected by tubing and membrane. One part lies toward the throat and is called the throat sweetbread, while the other, which is round, lies toward the heart and is called the heart sweetbread. The heart sweetbread is considered more choice because of its special tenderness and larger size. After the young animals are turned out to grass and are no longer on milk diet, the thymus glands gradually disappear. Sweetbreads should have a clear appearance and should be a little darker than the fat from the same carcass. In France, where they have been used more commonly than here, they are developed to a large size by special feeding.

The pancreas of the older animal which is sometimes incorrectly styled "sweetbread" and is known also as "stomach sweetbread", while an entirely different gland, it bears enough resemblance to the thymus to warrant its consideration under the heading of "sweetbread". The one most commonly sold is from beef and is sometimes known as "beef bread" or "beef sweetbread". It is not as delicate as the real sweetbreads, but does make a very tasty dish, when properly selected and prepared. Beef sweetbreads are liable to be too fatty so must be selected carefully, also, if not carefully prepared they are liable to be tough. On the market the sweetbreads commonly sold are "real sweetbreads".

Sweetbreads spoil very quickly. They should be removed from paper, as soon as received from market and plunged into cold water and allowed to stand one hour drained, and put into acidulated, salted boiling water and then allowed to cook slowly twenty minutes; again drained and plunged into cold water, so as to keep them white and firm. After this initial preparation, they may be cooked in various ways:

Broiled Sweetbreads

Parboil sweetbreads, split crosswise, sprinkle with salt and pepper and broil five minutes. Serve with Lemon Butter.

Creamed Sweetbreads

Parboil sweetbreads and cut in one-half inch cubes or separate into small pieces. Reheat in Medium White Sauce. Serve on toast or in patty shells.

Equal parts of cold, cooked chicken and sweetbreads diced make a good combination in White Sauce.

Bessie H. McJunkin

It is time that late celery plants were set. The writer has seen several gardens this season where the plants had been set in trenches six to eight inches deep. Don't set as deep—about two inches is a plenty if you believe in the trench method.

C. M. Stearns

SUMMER PROJECT WORK FOR GIRLS

At the close of school in June our girls were looking forward to their summer Home Project work.

Some are earning the required credits by carrying on at home what they have learned at school. Others are putting their knowledge to good advantage by filling positions in related work.

Several of our girls have gone far afield—to Maine, New Hampshire and Cape Cod. The majority, however, are within the county.

We have girls who are household assistants, cooks, assistant cooks, sandwich girls, a chambermaid in a hotel, waitresses, an assistant in a die kitchen, a counter girl in a restaurant and several who are using the knowledge they have received in child care.

Many of these positions are permanent, and the remainder are for the summer months.

The girls who are at home are busy, too. New dresses for themselves or other members of the family, entire care of the household while mother has a vacation, meals for the family, the redecorating of one or more rooms, in one or two cases a chance to use their home nursing knowledge, refinishing furniture and other things.

They are keeping their records of the work as they go along and when school opens next September they will submit a report of their summer work which will be marked and judged. Three prize ribbons, 1st, 2nd, and 3rd, are awarded in each class.

The girls work hard for these and often it is quite a problem to choose between the reports.

Anna J. Smith

CAMP LESLIE DEDICATION

(Continued from page 4, col. 1)

Prayer was offered at the evening meeting by Rev. Fr. Stephen J. O'Brien of Georgetown. Pauline Cursi sang "Dreaming" and Miss Frances DeMeritt gave a reading.

During the candlelight service a boy and a girl were selected to represent each H. They were: Head H, James DeCeddo, Arline Dozier; Heart H, Robert Mitchell, Shirley Lister, Hand H, Elmer Dexter, Marilyn Lewis; Health H, Fred Hoffman, Eleanor Wilton.

Uncle George Farley, State Club Leader was present and had charge of the service while Miss Walker read the story of the Fire-Bringer and Mrs. Mildred Farrell of North Tewksbury in Indian costume sang Indian songs.



4 - H CLUB NOTES



CAMP LESLIE DEDICATION

Over 1000 people attended the Dedication of Camp Leslie on Sunday, June 30. The program opened with a band concert by the Essex County Training School boys. Warren Page was master of ceremonies, Raymond Eaton of Danvers was guest soloist, solos were also given by Pauline Cursi, Accordion solos were given by Mrs. Martha Robinson.

The Haverhill and Georgetown American Legions and their auxiliaries had a very impressive ceremony of the dedication of the flag pole and the flag. The lovely flag which will fly over Camp Leslie this summer was given by Mrs. G. Richard Abbott.

Mrs. Annie Leslie, former owner of the Camp, was present and was presented with a National 4-H Club pin, by Elmer Dexter, and flowers from the 4-H girls were presented by Dorothy Abbott and Mrs. Leslie was told by Director Smith that the Camp would always bear the name Camp Leslie in memory of Mr. Leslie and herself.

Others who took part in the afternoon program were Mrs. C. Richard Abbott, Willard T. Kelly of Merrimac, Nathan Hale of Woburn; Judge Edward Simoneau of Marlboro; Ralph H. Gaskill, who represented Governor Saltonstall; Rev. Bernard Renner of Georgetown; Rev. Roy Nelson of Georgetown; Albert Johnson of Andover who gave an accordion solo, Miss Helen Walker and Mr. Shute. Miss Tena Bishop and Miss Marion Forbes of the State 4-H Department arrived and brought greetings from their department.

In another issue we will list the names of those for whom trees were dedicated.

Following the afternoon program a picnic supper was enjoyed and at 6.30 there were selections by the Haverhill Legion Drum Corps, followed by songs by the 4-H Club members.

During the evening's program National 4-H pins were given to the members of the board of Trustees and those who have served on the various committees in making this affair possible and they were made Honorary 4-H Club Members.

(Continued page 3, col 3)

PIG CLUB OF 1919

Below is a cut of one of the 4-H Pig Clubs in Essex County in 1919. This cut appeared in the first issue of the Essex Farmer and Homemaker, May 1919.



The group was under the leadership of Ernest Howard, a graduate of Essex Aggie, and the first 4-H Club Agent. We understand this club was in the City of Haverhill and the Banks of Haverhill loaned money to prospective Pig Club members to help finance their purchases. We also understand that all notes were promptly met.

Two excerpts from that issue of the Farmer and Homemaker regarding Pigs, follow: "Pigs is Pigs" as was the case last year (1918). Good growing 6 weeks' old pigs are selling for \$8 and \$10 each, and why shouldn't they with grain and labor as high or higher than last year.

Master James Tucker, Gloucester, a member of the Sow and Litter Club, has a fine litter of pure-bred Berkshire pigs. James has been offered \$135 for the litter.

Come on Essex County 4-H'ers let's keep our record good and have some Pig and Lamb Clubs in the coming year.

SOIL EROSION

Many farmers do not realize the loss of plant fertilizer material due to erosion. "Sheet erosion" where the slope is relatively slight continued over a period of years may cause considerable loss particularly on vegetable farms.

The Extension Service has arranged for the following demonstration farms where the United States Soil Conservation Service has made sur-

4-H LAMB AND PIG PROJECTS COMING BACK

A renewed interest in 4-H lamb and pig projects is developing in New England, encouraged by the New England Sheep and Wool Growers' Association.

Harley A. Leland, assistant State 4-H club leader, reported last week that forty-five pigs and twenty-three lambs are being fattened up this summer by Massachusetts club members. Seven of pigs and nine of the lambs will be entered in the fat lamb and fat pig exhibition at the Eastern States Exposition this fall.

New Hampshire and Connecticut club members are also taking part in the Eastern States competition which is sponsored by the Sheep and Wool Growers' Association and the management of the Eastern States Exposition. Prize money for the contest is being donated by sheep and hog breed associations and other interested persons.

4-H pig projects reached their height during the first World war and shortly after when large supplies of American pork were being sent to European countries. Hundreds of pigs were raised in Massachusetts 4-H projects during these years; but later interest in fat-stock project died out for several reasons; some of which were lack of slaughter houses and cold storage facilities, scarcity of good foundation stock in New England and a general swing to other types of club work.

Mr. Leland believes, however, that nearly every dairy farm can profitably keep a pig or two for home use, and if community cold storage facilities develop in Massachusetts, he predicts considerable advance in the fat-stock projects.

veys and planned a program for preventing soil erosion. Strip cropping, terracing and contour farming are the chief methods of prevention. "Plow your furrow straight, boy" was the admonition a century ago. But it helped water to run down the hill.

Ohio Station made a study of yields of corn and found that corn yielded 9 per cent more on contour cultivation; wheat 23 per cent more.

Francis C. Smith,

ESSEX FARMER AND HOME MAKER

VOL. 22

HATHORNE, MASS., AUGUST, 1940

NO. 8

Soil Testing At Fair

A soil clinic will be conducted at the Topsfield Fair this year by the Agricultural Conservation Association with the cooperation of the Essex County Agricultural School.

Free acidity tests will be made of all soil samples brought in. Soils specialists from the Agricultural School and the State College will be in attendance, and will be glad to discuss any questions you may have.

The amount of lime that should be applied can be determined only by testing the soil and then considering the needs of the plants to be grown. Some crops need more lime than others. Too much lime may be worse than too little.

It is so important that the proper amount of lime be used for the best results that the County Committee has ruled that in 1941 lime will be supplied by the Conservation Association only to those farms having had acidity test made. Tests made by fertilizer companies are acceptable.

The farm checkers under the Agricultural Conservation Program are taking samples of soils if requested to do so.

Charts showing the amount of lime needed for different crops on various soils, the method of taking samples, and the name of the person in each locality with whom samples may be left for collection have been mailed to over 1300 farmers in the county. If you would like a copy, send your request to the Conservation Office, Essex Agricultural School, Hathorne, and we will be pleased to send you one.

Have your soil tested. Use any of the following ways:

1. Test by a fertilizer company.
2. Have a farm checker take samples.
3. Take your own sample. Bring it to the Topsfield Fair; the Agricultural School, Hathorne; or leave it at the collection point in your community.

Edwin C. Martin,
County Administrative Assistant

CLOSING DATE FOR LIME AND SUPERPHOSPHATE ORDERS

The County Committee has set AUGUST 24TH as the last day for accepting requests for Lime and Superphosphate for delivery under the 1940 Agricultural Conservation Program.

Orders may be placed with any of the Farm Checkers, or at the Conservation office in the Agricultural School, Hathorne.

Director Smith Resigns

Fred A. Smith, our Director and friend, will terminate his active service at the School on August 31. During the twenty-seven years he has contributed much to the agriculture of Essex County through what he has called—"new venture in education." Knowing agriculture from having lived it, Mr. Smith inculcated in those about him a deep respect for farming and rural life.

In way of biography, Mr. Smith was born in Lynn, Mass., June 6, 1871. His father Henry H. and mother Emma (Keene) Smith were natives of Maine. During the Civil War his father served in the 1st Maine Calvary and later in the Navy.

Mr. Smith graduated from the Lynn Classical High school in 1889 and from Massachusetts Agricultural College in 1893. After graduation he engaged in the vegetable gardening and florist business in Lynn with his father. He was Superintendent of Parks in Hopedale, Mass., and later was associated with Manning Brothers in developing the Lynn Park System. From 1905-13 he was Superintendent of the Rice Estate in Ipswich. His work in developing this property known as "Turner Hill Farm" soon placed him among the leading farmers of the County.

In 1913 when Essex County Agricultural School was opened Governor Foss appointed Mr. Smith a member of the Board of Trustees. In May 1913 he was chosen to become Director of the School. The position the School holds today as the center of agricultural and homemaking interests in Essex County is a tribute to the one who has guided its course

CLASS OF 1935 NOTES

The present occupation and address of the following members of the Class of 1935 is unknown. Information concerning these graduates is needed to complete a survey of the class. Please communicate with Instructor George E. Gifford if you know the whereabouts of any of the following: Edmund Crossley, William H. Daley, John Donohue, Earl Ellis, Ralph Demuth (Glaze), Phillip Hansen, Daniel MacLean, Allan Morse, and Bayard Winter.

Clarence Patterson is employed at Nielson Brothers, the Florists in Lynn.

Howard Champion is doing landscape gardening in North Andover.

James Gardella is a salesman for Dietrich and Cambrill of Frederick, Maryland.

Roy Johansen is with Brown the Florist in Marblehead.

Vincent Nelson is employed at the Rogers' Farm in Danvers.

Window Garden Day

Plans for "Window Garden Day" at the School, on Saturday, August 24, are nearing completion. Professor Arnold M. Davis, of the Extension Service at the Massachusetts State College, will be the morning speaker at 11 o'clock, his topic being "Bringing Window Gardening Up-to-date." Professor Davis will discuss gravel and water culture and the use and effect of growth substances, including the much heralded vitamin B-1. He will not neglect the fundamentals of good house plant culture, and will endeavor to answer all questions regarding plants indoors.

One of the afternoon speakers will be widely known author and lecturer, Mrs. Bessie Buxton of Peabody, who will show a series of colored slides of the Robinson collection of Begonias in California. Mrs. Buxton has studied most of the large Begonia collections in this country and in England. Her recent books: "Begonias and How to Grow Them", and "The Window Garden", are the result of these studies and of genuine experiences in growing plants in her own home.

A number of exhibits concerned with the care of plants indoors are being prepared. And, by asking those attending to bring plants for the show table, it is hoped to assemble a varied and interesting collection for the day. Visitors will bring basket lunches, and the Eastern Branch of the American Begonia Society will supply punch. Ice cream and soft drinks will be on sale.

H. Linwood White

through the years.

Mr. Smith has been active in civic and agricultural organization. He is an honorary member of the Ipswich Grange, a member of Chebacco Pomona Grange, Danvers Rotary, Essex Agricultural Society and the Massachusetts Horticultural Society.

Mr. and Mrs. Smith (Frances Mary Knowland) were married on July 10, 1899. They have three children: Helen Frances, wife of Robert M. Neal, Instructor at the University of Wisconsin, Madison, Wisconsin; Mildred Elsie, wife of William B. Norton, Instructor at Boston University, resides in Wellesley Hills; and Harold Knowland, a graduate of Clark University, who resides with his parents on Maple Street, Danvers.

We bespeak the wishes not only of the Staff here at Essex Aggie but of Director Smith's many friends here in Essex County, for improved health and many years of leisure.

George E. Gifford

Essex Farmer and Homemaker

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STAFF NOTES

With the vacation season in full swing it is hard to keep track of the members of the staff. In looking back over the doings of June we find that the staff had their picnic at Camp Leslie. Reports from those who attended that they had fun but it rained.

Speaking of Camp Leslie, June 17, saw the members of the Agricultural staff and those from the various offices at the Camp painting the lodge and it is reported that a few pairs of overalls and slacks were painted too as well as hands. How paint does ruin one's manicure.

Miss Walker, our genial assistant 4-H Club Agent is leaving us when September arrives. She is going to teach in Wenham and study for her Masters Degree.

Mrs. Paul C. Bunker nee Elizabeth Weston, formerly Editor of this paper, had a baby daughter arrive on June 18.

Miss Lovett, Miss Torrey and Patricia Kelleher of the Class of 1940 spent the last week in June at Dawson Hall, Beverly taking an intensive course for Instructors in Surgical Dressings under the Red Cross. They are giving at least one half day each week from now on to teaching other volunteers in this emergency.

COUNTY AGENT'S COLUMN

New Jersey bulletin No. 675 states: "When the feeding of properly ensiled immature grasses and legumes is put into practice the variation of the color of milk from season to season becomes slight."

"Color is important, to the production of milk because it is an indication of quality, it improves its appearance and it renders a market advantage."

"Contamination of the milk with copper accelerates the loss of yellow color."

"The feeding of molasses grass silage (properly ensiled) immediately after milking and in sufficient amounts is a most excellent practical means of producing milk which has a good flavor and is highly resistant to the development of oxidized flavor."

"To avoid odors thoroughly air the barn for 30 minutes before milking; clean up all uneaten and spilled silage several hours before milking; keep passageway from farm to silo tightly closed. Reduce hay intake to about 6 to 7 lbs. per cow daily—use best grade hay. But feed all the grass silage the cow will clean up—30 to 60 lbs."

George Kinney and Son, South Hampton Road, Amesbury has an excellent field of potatoes. But part of his fields of Chippewa variety were from seed selected from his last year's crop. It shows leaf roll and mosaic and the plants are stunted and not nearly as large as the plants grown from certified seed planted and fertilized just the same and in the same field.

Herman says using salt in the silo helps reduce freezing. Have you ever tried this?

Woodsum Brothers, Amesbury, have just erected a concrete silo—claimed to be excellent for grass silage. Their alfalfa second growth looks marvelous.

R. K. Rogers and Son, Ward Hill, are erecting a new silo and remodeling the cow barn.

Harry Blackard, Ward Hill, and Kimball Brothers, East Haverhill are planning to do some dynamite ditching soon.

F. C. S.

FARM AND HOME WEEK

Essex County women attended the Annual Farm and Home Week at the Massachusetts State College in July in greater numbers than for a long time. There were a number of women whose names we did not get but in the official party from the County Advisory Council the following attended. Mrs. Arthur Olsen of Manchester; Miss Marion Parker of Beverly; Mrs. Frank Spofford and Mrs. Charles Sweetser of South Groveland; Mrs. Charles Reynolds of Lynn; Mrs. James F. McNiff, and Mrs. Chester Carlin of Peabody; Mrs. Bertram Savage of Newbury; Mrs. Carl Dodge of West Newbury and Mrs. Mary M. McIntire, Home Demonstration Agent for Essex County.

AUGUST FUR SALES

In leading stores for women's wear, we find in August that the article of paramount importance is furs. From shop windows and advertisements, fur coats confront us with the warning that we must prepare for the winter.

If anyone is contemplating the purchase of a fur coat this winter, this is, of course, an excellent time to buy, so perhaps it might be interesting to note a few of the furs which are especially fashionable this year.

For a moderate price the dyed muskrat coats are the best for all-round service and good wear. They are usually well blended and many times look like a higher priced coat.

Going a little higher in price there is our old friend, the raccoon coat, on inspection you will notice that these coats appear much less bulky than they used to. The method, now used, of "letting out" skins makes the skins long and narrow, and gives the appearance of stripes similar to the fox.

This system of "letting out" skins, as it is called, is used very generally with different furs today. It is done by making innumerable wedge-shaped slits in the back of the skin. These make it possible to stretch the skin to the required length and, of course, narrowing it at the same time. Only the best of pelts can stand this treatment, and it means that the animal must have been well fed and killed in its prime.

Another quite moderately priced fur is the London-dyed squirrel, so named because it is dyed in London and can not be done in this country. It is a beautiful brown but, though inexpensive, it is decidedly a luxury coat, as it is not very good for wearing qualities. If used as a dressy coat and another type of coat used for general wear, it would be an asset in one's wardrobe. Gray squirrel is also shown, and will also have to be worn with care.

Mink is excellent for wearing, but it is expensive. Beaver also is in the higher price range.

Gray kidskin is going to be very popular this year with the younger people. It is quite inexpensive and will give reasonably good wear. It is not very heavy and will be good for the girl in college.

Then there is the ever-popular Hudson seal coat which is really dyed muskrat. They are moderately priced and there is nothing better for the money. Though once a seal skin coat seemed only proper for an older person, now they are worn by women of every age and build. A "no-tongue" seal skin is the best to buy. It is so called because, in the language of the furrier, the head, legs, and tail of an animal are called "tongues". The fur on these parts is not as good as on the rest of the body, so if these tongues are cut off from the skins used in the coat, a more uniformly wearing garment will result.

In the price range next above Hudson (Continued page 3, col. 1)

COLD DESSERTS FOR WARM DAYS

The warm days of August make ice cream a refreshing dessert, so bring out the ice cream freezer and provide a real summer treat for warm days.

If your family likes sherbet, try the following recipe.

Orange-Lemon Sherbet

Juice of 6 oranges
Juice of 2 lemons
3 cups of sugar
3 cups of rich milk
1 jar of cream—whipped.

Pour fruit juice over sugar, stir until sugar is dissolved. Chill fruit and sugar mixture and add the milk, then fold in the cream.

Freeze, using a mixture of 8 parts ice to 1 part salt.

Vanilla ice cream with old fashioned custard base has long been an American favorite.

Vanilla Ice Cream (Custard Base)
2 eggs or 4 egg yolks slightly beaten
1 cup of sugar

2 cups of scalded milk
2 cups of cold milk
1 jar of heavy cream

Scald milk in a double boiler, mix eggs and sugar add to milk stirring constantly until mixture thickens and coats the spoon.

Chill and when cold, add 2 cups of chilled milk, jar of heavy cream and vanilla.

Freeze with a mixture of 8 parts ice to 1 part salt.

If sherbert or ice cream are to be packed after freezing, use a mixture of 4 parts ice to 1 part salt for packing. Both of the recipes are intended for use in a freezer, not an electric ice box.

Constance Lovett

AUGUST FUR SALES

(Continued from page 2)

son seals we find the Persian lamb coats. In these a medium curl is best, a tight curl or a loose curl is not as good. It is not well to buy an inexpensive Persian lamb if you want one for good wearing. This fur also comes in gray which is the natural color. It has fine wearing qualities and is the same price as the black.

A fashion-right styling for fur coats this year is the yoke back and with the skins hanging full from this yoke there is a lovely swing back effect. Coats are shown both long and short, but for warmth and all round wear the full length coat is best.

Margaret R. Harris,
Instructor Related Art

ECHO CLUB NOTES

On Monday, June 10th, the members of the Echo Club of the Homemaking Department, elected their officers for the coming year. Muriel Craven of Methuen was voted president; Elaine Kennedy, of Danvers, vice president; Claire Burgess of Methuen, treasurer; and Dorothy Rowbottom of Danvers, secretary.

FALL CLASSES PLANNED

A leaders' school for children's coats will be held in the County this fall.

Leaders from ten communities will meet at a place to be announced later and under the leadership of Mrs. Esther Cooley Page, State Clothing Specialist will be instructed in the making of children's coats.

Selection problems, suitable materials, preparation of materials, checking materials and measurements. Problems in cutting and construction will be taken up in detail.

Four to six meetings will be held. Classes will start in October and the place of meeting, and date of starting will be given in a later issue of the Farmer and Homemaker. Anyone interested please call or write to Mrs. Mary M. McIntire, Home Demonstration Agent, Hathorne.

Classes in Foods and Home Hygiene are now being organized to start late in September.

The Women's Advisory Council will hold their first meeting of the season in September, date and place to be announced later.

Mary M. McIntire

POULTRY TOUR

The annual tour and outing of the Essex County Poultry Association was held, Tuesday, August 6. Fifty poultrymen and guests visited Melvin Moul's Poultry Farm at Brenwood, New Hampshire.

There are houses for 15,000 New Hampshire and Barred Rock breeders and layers, 150 acres of land make it possible to supply good ranges for the large crop of husky, productive young stock.

A small box factory, a shoe factory and a wood heel mill were recently purchased at a bankrupt sale and have been efficiently and inexpensively remodeled into a hatchery with a capacity of 175,000 eggs and quarters for 6,000 layers. An emergency electric plant is capable of generating all the electricity needed for the hatchery and the 6,000 layers.

Mr. Moul received many compliments from his guests. His managerial ability is well demonstrated in all departments of his neat, efficient and productive plant.

Twenty-seven automobiles checked in at Kingston Lake Park and about 80 people enjoyed a half day of relaxation. After lunch had been cooked at the various fireplaces, ice cream was distributed to all the members and their guests. Later President Ackerman's soft ball team defeated the Secretary's team, 19 to 13, in spite of John Hall's homerun. Boating and swimming were enjoyed by many of group.

John Miltimore,
Sec. Poultry Assoc.

GARDEN CHAT

Excellent speakers were enjoyed on the Farm and Home Week Program at Mass. State College, Amherst, during the week of July 23rd. The speakers on the vegetable program talked on vegetable crop diseases, fungicides and insecticides, and vegetable production costs. Those in attendance visited the many demonstration and trial plots at the college, as well.

The Annual Field Day at the Mass. State College Experiment Station in Waltham was well attended on Wednesday, Aug. 7th. Many Essex County folks were seen at the Station either about the vegetable plots, the annual or perennial flower beds, or the many commercial exhibits and farm machinery. The attendance at these Field days has been increasing each year and if you have never attended, you should begin to make plans to be on hand next year, the first Wednesday of August. To do justice to the many different exhibits, one would need all day, but no matter how long one is able to visit the Market Garden Field Station, one will see many things of interest.

On August 13th some forty or more Market Gardeners of the So. Portland, Maine section are planning a trip thru Essex County, and the Boston vegetable producing area. Arrangements are under way for them to make two stops in the Danvers area, to see the methods used by the local gardeners.

The warm sultry days of late July and early August have been excellent for promoting the spread of blight on potatoes, tomatoes, and celery. Early potatoes are being dug so that there is not much that one can do to check the spread of blight on them, but with the late crop of potatoes, and the tomatoes, one should spray or dust with Bordeaux mixture. To get the best results, one should have the spray or dust on the foliage before the rains arrive as the blight spores multiply in the presence of moisture.

Excellent corn borer control was noted at the Waltham Field Station plots on August 7th. The check or untreated plots showed quite a number of stalks with corn borers present. Why not visit the Field Station at Waltham right off and see for yourself how the corn borer can be controlled?

Now is the time to be thinking about Fall green manure crops, such as Winter Rye. If rye is sown around the first of September, use at the rate of 1 1-4 bushel of seed. The later into the Fall the seed is sown, the more seed one should use.

C. M. Stearns

The Echo Club had a very successful year. Many cook-outs, assemblies, movies, and speakers were enjoyed by the students. Credit is due to the past officers—Eleanor Taylor, president; Frances Calvert, vice president; Phyllis Cooke, secretary; and June Agersea, treasurer.

K. McC.



4 - H CLUB NOTES



CAMP LESLIE

Camp Leslie, Essex County 4-H Club camp at Georgetown, started its second year of camping on Sunday, July 21, for a period of four weeks. An average of fifty campers will be accommodated each week.

Members of the camp staff are: Horace J. Shute, Director; Miss Helen A. Walker, assistant Director; Warren Page of Middleton in charge of Conservation and woodcraft; Carl Graichen of Methuen in charge of swimming and waterfront activities; Burton Gregg, graduate of Mass. State College in charge of camp newspaper and camp business manager; Paul Corson, of Saugus, is the poultry club project instructor and is connected with the camp office; Audrey Boisvert of Beverly, craft instructor (papercraft); Miss Ruth Woodworth, Groveland, in charge of camp canteen; Miss Miriam Bodwell of Methuen in charge of dining room and camp pianist; Miss Pauline Pierce of Groveland, in charge of leathercraft; Miss Eleanor Reed of Saugus, in charge of metal as is Miss Frances Hartmann of Andover; Mrs. Viola Shute of Methuen is in charge of papercraft; Eleanor Buckley and Mary Karoskys of North Andover are in charge of dramatics.

Mrs. Florence Crofts of Danvers is camp cook assisted by Miss Thelma Crofts and Miss Adelaide Webb of Andover.

Other counsellors are Fred Usher and Clyde Crofts of Danvers; Paul Boisvert of Beverly, and Dorothy McDonough of Beverly.

A typical days program at camp is as follows: Reveille, 6.45; Flag Raisign, 7.30; Breakfast, 7.40; Assembly, 9.30; Project Meetings, 10.00; Beginners Swim, 10.45; Advanced Swim, 11.45; Dinner, 12.00 noon; 1.00-1.15, Canteen; 1.15-2.00, Rest; 2.00-3.15, Crafts; 3.15-4.00, games; 4.00-5.00, swimming; 5.15, Supper; 6.00 Sports; 7.30, Flag Lowering; 7.40, campfire and 9.15, taps. The camp is operated on standard time.

The evening campfires sponsor the following programs: Sunday evenings, Get-Acquainted night with the new campers. Programs in charge of the counsellors. Monday and Tuesday evenings, the campers are separated in two tribes, namely the Naumkeags and the Tahattawams. Both tribes compete for tribal honors and challenges are readily accepted. Wednesday evenings, stunt programs are held. Thursday evenings, outside talent is presented. Friday evenings, the dramatic classes present an entertainment consisting of short plays, pantomimes, musical numbers, readings, and dance numbers. Saturday evenings, the traditional 4-H Candle

4-H'ERS AT THE FAIRS

August 27—September 2, will give several Essex County 4-H Dairy club members an opportunity to exhibit at the Marshfield Fair. The Fair association will maintain a camp for the benefit of the dairy club members. Worthwhile prizes are being awarded for exhibits of Ayrshires, Guernseys, Holsteins and Jerseys.

Topsfield Fair, Sept. 4-8, will give opportunity for members enrolled in every 4-H project to win worthwhile prizes and special awards. The 4-H poultry dept. will offer classes in educational and equipment exhibits, and an educational exhibit will be sponsored by the Red Rooster Poultry club of Saugus.

A 4-H dairy camp and show will be held at Topsfield Fair under the supervision of Horace J. Shute. This is the second consecutive year that such a show and camp has been held.

Judging contests in vegetables, dairy and poultry will be held for 4-H club members, Saturday, Sept. 7 and rosette ribbons will be awarded high scoring teams in each contest.

At Brockton Fair, all prize winning exhibits in the canning and clothing projects at the Topsfield Fair will be exhibited. Judging contests in dairy, poultry and garden (vegetables) will be held Friday, Sept. 13, 1940. Brockton Fair will sponsor a Dairy camp for dairy members.

Eastern States will provide opportunity for dairy club members to attend the Dairy camp and show their animals.

Judging contests in poultry and dairy will be held Friday, Sept. 20, and a State poultry day will be held Sept. 20. Dates of the Exposition are Sept. 15-21.

The Dining room and lunch counters will again be operated by the Service club members, at the Topsfield Fair.

The last business meeting of the Echo Club was held Tuesday, June 11th, at which final plans were made. Annual reports were given by the Secretary and Treasurer as well as by all committee chairmen.

Light Service is held.

Camping is an experience that only a few people are privileged to have. Yet fewer people get the real value out of camping because of lack of knowledge. The value of an organized camp like Camp Leslie is, that we provide information and counselors who are prepared to answer questions. Camp Leslie strives to give each camper a healthful, happy vacation. In order to keep the campers feeling fit, a trained nurse, Miss Gertrude Reed of South Essex is in attendance at all times.

STATE CAMPS

Seven outstanding Essex County 4-H Club members represented Essex County at the State Juniors Leader's Camp held last month at the Mass. State College in Amherst.

Club members attending were: Sheila Marshall, Georgetown; Arlene Dozier, Swampscott; Fred and George Hoffman, Saugus; Robert Mitchell, Lynn; Donald Smart, Haverhill and Pietro Nuccia, Beverly. This is the second year that George Hoffman has attended the camp.

Robert Mitchell, secretary of the Saugus 4-H Red Rooster Poultry Club, was selected to represent the Heart "H", at the camp candlelight service held on the last night of camp. Robert also composed a new camp song entitled "Parting is Near."

Activities at the camp included project meetings, group discussions, swimming, music appreciation assemblies, craft periods, campfire programs, and supervised recreation.

Attending the Adult Leader's Camp were Mrs. Leon Jordan, Haverhill; Mrs. G. Richard Abbott, Andover; Paul Corson, Saugus; Mrs. Mary Pettingill, Danvers; Miss Frances Hartman, Andover and Mrs. Alberta LeMay, Swampscott. The program for this camp included group discussions, craft periods, swimming, project meetings and assemblies for the discussion of club problems.

A State Music Camp, a Boy's and Girl's Conservation Camp, and a Recreation Camp was held last month at the Mass. State College. Those attending from Essex County were: Music Camp, Donald Smart, Haverhill, Ruth Boisvert and Dorothy MacDonough of Beverly. At the Conservation Camps were Earl Comeau, and Richard Gurtin of Haverhill; Ruth Anderson, Evelyn Hall, Ballardvale. Recreation Camp, Rose Biodini of Beverly.

4-H FIELD DAY

Nearly 400 members of the County 4-H Clubs attended the annual Field Day held at Camp Leslie on Saturday, June 29. The regular sports events and contest were held during the day.

To the city or town which wins the largest number of points in the events of the day a banner is given. This year the Clubs from Beverly won the banner with 69 points. The Saugus clubs came second with 42 points while North Andover was third with 26 points.

The single club with the highest points was the Wild Roses Club of Danvers with 14½ points, the Flying Needles Club of Beverly was second with 13½ points and the Red Rooster Club of Saugus third with 13 points.

ESSEX FARMER AND HOME MAKER

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HATHORNE, MASS., SEPTEMBER, 1940

NO. 9

Begonia Society Meeting

The Eastern Branch of the American Begonia Society met at the Essex County Agricultural School on Saturday, August 31. Over 100 members and friends were present.

At the annual meeting it was voted to change the name to the New England Branch, there being other branches here in the East. H. Linwood White of Danvers was elected president; Aubert Giles of Danvers, vice-president; Mrs. Skinner of Lynnfield Center, Secretary and Charles Gould, Jr., of Middleton was re-elected Treasurer.

Prof. Arnold M. Davis of the Mass. State College was the morning speaker. William Carter of Tewksbury had a large collection of succulents and also spoke on the care of them. Mrs. Bessie R. Buxton of Peabody showed pictures of the Robinson Collection of Begonias in California.

Certificates of Merit were awarded to many for their lovely house plants on display. The judges were James Marlborough Supt. of the Thomas E. Proctor Estate in Topsfield; William I. Carter of the F. I. Carter and Sons of Tewksbury; and Harold C. Stevens of the Ropes Memorial in Salem.

Following is a list of those who received certificates of merit: Mrs. Frank Taylor of Peabody; Mrs. Frank E. Smith, Salem; Charles I. Gould, Jr., Middleton; Mrs. Carl Waterhouse, Mrs. Bessie Buxton, Mrs. J. Sumner Brown, Mrs. R. J. Ingraham all of Peabody; Earle A. Sampson, Waltham, Mrs. George E. Gifford of Middleton; Miss Edith Wylie, Beverly; Ernest K. Logee of Danielson, Conn.; William C. Atherton, Wakefield; Mrs. Lyman Gould, Danvers; Sidney Fothergill, Danvers; Mrs. E. W. Green of Lynnfield Center; and F. L. Carter and Sons of Tewksbury.

FALL FLOWER SHOW

The Annual Fall Flower Show by the students of Essex Aggie will be held in the auditorium and gymnasium as usual the dates are October 4, 5 and 6. The show will be open to the public, admission free.

There will be an entertainment on Friday evening October 4 and at this time the prizes will be awarded. We hope that you will reserve this date and plan to be with us.

Our New Director

On August 26, Mr. Harold A. Mostrom was appointed by the board of Trustees to take over the office of Director of the School recently made



vacant by the resignation of Fred A. Smith. Mr. Mostrom needs no introduction to our readers, in as much as he has served both as teacher and as Educational Manager of the School for eighteen years. In the latter position he has directed the course of the Agricultural department to its present high standard. He has worked unceasingly for the best interests of the staff and the students and his promotion to the directorship is justly deserved.

Mr. Mostrom is a graduate of the Massachusetts State College, Class of 1916. After graduating he taught at the Normal School in Keene, N. H., resigning the position to enter 4-H Club work in New Hampshire. His last position before coming to this institution was that of State Leader of 4-H work, with headquarters at the University of New Hampshire at Durham. Since coming to the School in 1922 he has made many friends who wish him success in the work for which he is admirably fitted.

George E. Gifford

Homemaking Department

With the coming of September our minds turn to school programs and school activities. This year there have been even more girls, than in previous years, who have shown interest in entering the Homemaking Department. As these girls come to make application for this department we ask them several questions such as why they are desirous of entering, have they had work in Home Economics, what are their plans for the future. The answers we get are many and varied. After receiving their answers we tell them what we as a Homemaking Department in a Vocational school are offering and what the possibilities of placement are in their field if they desire to enter employment along Home Economic lines. Most girls, as well as their parents, are interested in the possibilities of placement at the end of the course. We are not a trade school therefore we do not train the girls in a specific trade. The work that our girls receive in their training for future homemakers does fit them for certain types of work in foods, clothing or some of the related subjects.

There is one important phase of all types of vocational education which is of great value to the student and also to the teacher. That is the home project work. Our advanced students are returning this fall after a summer of varied experiences in either home or employed projects. The theories and principles which they were taught last year have been tried and tested either in their own homes or in the homes of others, at summer camps, in hotels, institutions, or other places.

Is it surprising that they as they return this fall have an added challenge as they start this year's work? No indeed, they are returning with the back-ground of problems they have faced on their own and proved that old adage that "experience is the best teacher".

This project work is also of great value to us as teachers because we learn through observing the girls on the job whether our teaching is meeting their needs. It is necessary that we be alert to the changes that are taking place in all types of Home Economics work and adjust our program so that each girl is ready to meet these new situations.

(Continued page 2, col. 1)

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HOMEMAKING PROGRAM

(From page 1, col. 1)

Therefore as we start another school year we have in our group those who are returning from having tried their wings on their own and those who are here for the first time to acquire the theories and practices that will fit them to take their place in the economic world and later become experienced homemakers.

Ethel M. Moore,
Educational Manager
Homemaking Dept.

ADVISORY COUNCIL MEETING.

The Women's Advisory Council will hold their first meeting of the season on Wednesday, October 2 at the Essex County Agricultural School. All members are asked to reserve this date and plan to be present. Luncheon will be served in the Homemaking building.

LABORATORY ASSISTANTS

Olive Judge of Lawrence and Ernestine Lawrence of Marblehead are the girls chosen from the Class of 1940 to assist in the Homemaking Laboratory.

Adelaide Webb of Andover, also of the Class of 1940 has been chosen to be Clothing Assistant, working with Mrs. Duhn.

STUDENT LIST

The following is the list of new students this fall in the Agricultural Department.

Amesbury: Ellsworth Frye, Phillip Yeaw, Thomas Coffin, William H. Goodwin, Malcolm Robbins; Andover: Lauren Dearborn, Priscilla Glines, Benjamin Forbes, Donald Hill, Clifford Gaudet; Beverly: Paul Egan, Dorothy Gourley, Donald Knott, Leo L. Dubois, Richard Harrington, Norman H. Cobb, Jr., Wallace Hopkins; Boxford: Edward R. Little, Jr.; Byfield: Lewis Bulgaris; Danvers: Esmond Hilton, Jr., Richard B. Oulton, Roger Boardman, Edgar Harris, Joseph Joyce, Jr., Donald Maguire; Gloucester: Newell S. Dedcovich, Jr., Ralph F. Marshall; Groveland: Peter M. Farrell, Richard Stark, Joseph T. Roach; Haverhill: Kimon Bournazos; Ipswich: Raymond Purdy; Lawrence: Anthony A. Allen, Frederick Hardy, Paul Kent, Joseph Sammartano, Arthur LaPlante, Roland Nault, J. Sidney Barlow, William Bolduc, Marcel Marique; Lynn: Claude E. Veinot, Jr., Douglas Wheeler, Richard White, William J. Corbett, Edward Locke; Methuen: Franklin Dodge, Stanley Nelson, Joseph G. Riette, Larry Peglow; Middleton: Francis E. Grant, William H. Peaslee; No. Andover: David H. Knott, Jr., Colmand H. Lee, Jr.; Newbury: George Emerson; Nahant: Arthur Buxton, Francis McClain; Peabody: Robert Emerson, Charles Sioman, Lawrence E. Smith, Vera Yonetz, William J. Flynn, Philip McEwen; Rowley: William H. Herrick, Jr.; Salem: Joseph F. Hogan, Leonard Mahoney, Robert Mizzi, Elisha Dionne; Salisbury: John H. True; Saugus: Warren E. Ray, Bernard E. Berrett, Frank Colanton; Swampscott: Silvio Bimonte, Fiory DiDiO; Topsfield: Robert P. Ford, Franklin Killam, John W. Dwinell; Wenham: Charles Spiliotis, Warren Heath; Reading: John F. Bacheller; Melrose: James R. Critchett; Medford: W. Douglas Russell.

Homemaking List

Amesbury: Phyllis Tremblay; Andover: Ruth Bradshaw, Kathleen Gaudet, Rita Gauthier, Evelyn Hall; Beverly: Kathleen Ganey, Pauline Gleason, Betty Maxner, Priscilla Wilkins, Helen Hallock, Helen Richards, Ruth Thomas; Ballardvale: Marion Peatman; Bradford: Althea Dennett; Byfield: Bessie Pierson; Danvers: Shirley Putnam, Alice Clark, Doris Durkee, Barbara Hennigar, Eleanor Cook, Lynnette Rainville, Florence Cameron; Georgetown: Ruth Adams; Haverhill: Mary Lovely; Lawrence: Barbara Cruickshank, Margaret Earley, Doris Englehardt, Mary Lane, Laurel Martin, Mary Regan, Lucy Tela, Claire Cadoret, Fanny Conconi, Dorothy Daly, Margaret Kennedy, Irene Koza, Helene Strube, Mary Duckett, Margaret Purcell, Mary Belfore, Dorothy Jolly; Lynn: Alice Cormier, Gertrude Munger, Isabelle Weed, Margaret Jenner,

BROCKTON NOTES

The only results we have heard from Brockton Fair as we go to print is that the Essex Aggie team in Dairy Cattle judging came in second with Norfolk first. William Hawkes, William Mahoney and Donald Martin were the team.

William Hawkes won first individual place with a score of 290 out of a possible 300 points.

FOOTBALL SCHEDULE

Oct. 4—Lawrence High Seconds
Oct. 11—Wentworth Jr. Varsity
Oct. 19—Andover Acad. Jr. Varsity at Andover
Oct. 25—Tufts Jr. Varsity
Nov. 1—Nichols Jr. College
Nov. 8—Harvard Freshmen Seconds
Nov. 15—Open
Nov. 22—Open
Nov. 29—Open

CROSS COUNTRY SCHEDULE

Sept. 18—Melrose Seconds
Sept. 25—Beverly Seconds
Oct. 4—Chelsea
Oct. 11—At Reading
Oct. 16—At Revere
Oct. 25—Revere at E. C. A. S.
Nov. 1—Everett Trade, Reading at E. C. A. S.
Nov. 7—At Everett Trade

TENNIS TOURNAMENT

Coach Couhig has just announced the plans for Tennis Tournament with Norfolk and Bristol County Schools and Andover Academy. These will be held the last three weeks in October.

Charlotte Tarbox, Claire Oaks; Methuen: Ida Griffin, Evelyn McCann, June Porst, Lila Bullock, Barbara Bell, Marilyn Ostler, Carolyn Archambault, Dianna Olds, Lucille Vignola; Marblehead: Eleanor Gray, Virginia Wade, Justine Bishop; Middleton: Carol Wendell, Louise Clark; Newbury: Barbara Hawkes; Newburyport: Eleanor Small; North Andover: Dorothy Dryden, Isabelle Rabs, Claire Gillispie; Peabody: Margaret Morrissey, Catherine Ward, Marjorie Hollingsworth, Marion Leach, Pauline Roy, Marion Fitchuk, Ruth Krankka, Maureen O'Leary, Virginia Ayes, Gloria Kennedy, Grace Marshall, Leona Skinner; Rowley: Jeanette Reed; Salem: Arlene Crossman, Ruth Harvey, Theresa Lambert, Claudia Richards, Beth Davidson, Constance Shea, Patricia Magner, Pauline Senkowski; Saugus: Catherine McCarthy, Edith Quinn, Bernadette Lanier; Swampscott: Mary O'Leary; South Groveland: Ina Stephenson; Wenham: Gladys Robertson.

STUDENT NEWS WRITING

The supplement of this paper that is added during the school term is composed of news written by the students. The girls who report the news in the Homemaking Department have joined this student editorial board voluntarily. Of course, there are a few who "try" it out, but by the third issue of the supplement the board, with very few exceptions, remains faithful to the meetings and to the news for which those girls are responsible during the school year.

Such training as the girls get does not mean that they become trained newspaperwoman, yet many times they can do small items or personals in a local paper. One of our present board has a chance for regular work on her local paper beginning August first.

Then, too, certain traits are necessary for such work. Here accuracy stands at the top—accuracy in names, accuracy in stating facts, and accuracy in quoting statements. Initiative is needed in hunting news and facts, and so is energy because any such writing is done in addition to the work done in the regular school curriculum. Tact is necessary many, many times, as well as loyalty. Care in the mechanics of writing is most important and too often overlooked. Then there is the desire to improve which leads to the reading of current topics, reading other papers, and studying other writers' ideas and styles.

How do these girls carry on their meetings and what do they do?

Two meetings a month are held. At the first meeting the girls suggest the news that is available—events that have taken place already but have not been reported, and events of the future. Assignments are made to the members on the board and they proceed to gather the necessary information from the proper source. Many times if this person is busy it necessitates the making and keeping of a definite appointment. Then comes the writing of the item in good news form.

At the second meeting the girls bring in their written articles where they are criticized and corrections are made. Sometimes the material has to be reorganized and many times it has to be expanded or condensed in order to fit some allotted space.

Twelve girls joined the board last September. During the year three of them left school. Of the remaining number five were dropped in early spring because of the marks they received. This does not necessarily mean that they failed but that they did not receive a grade high enough to allow the time needed for extra curricular activities. During the year these girls submitted and had accepted seventy-four articles for the Supplement, a most worthwhile accomplishment.

Verna L. Clarke,
Div. Head-Academic Dept.

DIRECTIONS FOR POISONING GREEN TIMBER

The following method can be used to kill trees of any size as well as vines. It is important to follow carefully the directions for application of the poison to secure the desired results.

The solution described below is poisonous. Therefore the container should be marked "Poison" and care should be taken to keep animals and persons away from the solution and to keep animals away from the treated trees until rain has washed the poison thoroughly off the tree.

The solution is prepared by dissolving one pound of sodium arsenite into three and one-half pints of water. Cold water is satisfactory. The solution can be kept indefinitely in a jug or glass jar. The sodium arsenite can be purchased at any drug store or chemical company. In small quantities the price is around \$1.00 per pound. In large quantities, it can be secured through chemical companies at 75c per pound.

The poison is most effective when applied to the standing trees. The results are somewhat uncertain when applied to stumps. Slanting axe cuts should be made through the bark and well into the sapwood near the ground level. The axe cuts should be close enough together that not more than a two-inch strip of bark separates them. The poison should be poured into these cuts until it begins to flow out of the edges of the cut. The tree should be left standing until it dies.

The results of poisoning are most certain when the work is done during the dormant season between September and January, however, the results may be fairly successful if the poison is applied at any time when the sap is not active.

R. B. Parmenter,
Extension Forester

APPRENTICE TEACHERS

Each year the School has two apprentice teachers, one in the Homemaking Department and one in the Agricultural Department. Miss Frances Martin of Weston, a graduate of Framingham State Teachers' College, Class of 1940, will teach Foods, Clothing and Handicraft in the Homemaking department.

Burton Gregg of Berlin, Vermont, a graduate of the Class of 1940 at Massachusetts State College is the Apprentice teacher in the Agricultural Department, he will teach Dairying and Animal Husbandry.

If the consumption of protective foods in the United States were increased so that all non-relief families would have a satisfactory diet, nutritionally speaking, the following increases in present production would be necessary—milk, 16 per cent; butter twenty-six per cent; tomatoes and citrus fruit, eight; and leafy, green and yellow vegetables, eighty per cent. 1939 Yearbook of Agriculture.

GARDEN CHAT

Did you visit the Essex County Fair at Topsfield during the first week of September? The vegetable exhibit was outstanding with high quality produce. A new section of this department was started this year by the private estate growers along the North Shore, and included two very attractive displays as well as many plate entries. Many of the plate and box entries in the vegetable building were exhibited by students and graduates of the School. The training and project experiences while these graduates were attending the Agricultural School helped them a great deal in preparing their vegetables for entry at the Fair. The squash entries were not as large as usual, primarily because of weather factors this season.

The junior entries were of unusual quality and condition. Most of these entries were by students of the agricultural school and many of these boys will become the adult exhibitors of tomorrow.

A large number of pens of milk and silver fox added much interest to the general public.

If you visited the vegetable display at the Fair, you may have wished that you had entered a certain plate of tomatoes, cabbage or what not, which you thought was of outstanding quality and condition and which you did not enter. Don't let next year go by but begin planning now to enter plates of vegetables.

Have you got your garden cleared up where the crops have been harvested, and have you sown it down to winter rye? During the remainder of September, seed at the rate of 100 lbs. of seed per acre. After October 1st sow at the rate of 120 lbs. per acre basis.

C. M. Stearns

ALUMNI NOTES

Mr. and Mrs. Edward Lamprey, are the parents of a daughter born in July. Mr. and Mrs. Lamprey reside in North Andover. Mrs. Lamprey was Barbara Haskell '39.

Madelyn Cady '38 is now the owner of the Jiffy Grill in Lawrence.

Agnes Martin '40 has entered the Salem Hospital Training School with the September class.

Olive St. Pierre '39 has been working during the summer at the Anna Jacques hospital in Newburyport and has now been appointed assistant to the Dietitian.

Eleanor Taylor '40 has entered the Wilfred Academy in Boston.

Rodents are defined as "mammals, possessing keen, chisel-like incisor teeth, especially adapted for cutting cellulose material." This group includes rabbits, squirrels, beavers, porcupines, woodchucks, rats and mice.

The fall months are the best time for starting new lawns.



4 - H CLUB NOTES



GIFT TO GOVERNOR SALTONSTALL

September 6, was Governor's Day at the Topsfield Fair and Governor Leverett Saltonstall was presented with some "White Americans", by Paul Corson of Saugus. Paul represented the Red Rooster 4-H Poultry Club.

The birds are from the new utility breed created by Instructor Ellery E. Metcalf.

Mr. Metcalf is planning to show these birds of Governor Saltonstall as well as a group of his own at the Eastern States Exposition.

TOPSFIELD FAIR NOTES

The boys of Essex Aggie are always busy at Topsfield Fair either exhibiting or participating in the judging contests in the several departments. Following are the results of the various teams and individuals.

Poultry: The team came in second, with Alger Ramaika, Ralph Wilkins and Robert Anderson.

Vegetable: The team won second place with Gilbert Fournier, Christos Mpelkas and Richard Thomas on the team. Essex Aggie boys won third, fourth and fifth individual places and were Gilbert Fournier, Christos Mpelkas, and Richard Brown.

Dairy: Warren Nelson won fourth individual and fourth place on the State Dairy Judging team.

Milk: On September 6 the Essex Aggie boys went to Norfolk to judge and the results of the judging that day and the next day at Topsfield gave us two boys on the State Champion Milk Judging team. This team will go to the Eastern States Exposition and compete against teams from the thirteen eastern sea board states. The boys on the team are: Russell Weinhold, first place Crawford Calderwood from Norfolk second, and Warren Nelson, alternate.

Fruit: The Aggie team one first place with Henry Britton, Richard Peaslee and Emile St. Pierre. Henry Britton won first individual place while St. Pierre won fifth individual.

A cup was awarded to the team by the Niagara Sprayer and Chemical Co., this is the second time that the Essex Aggie team has won it. Norfolk has won it twice. It must be won three times to become the permanent possession of any team.

GOOD MANAGEMENT ON THE FARM

The question is often asked—"Why do some farmers fail while their neighbors succeed?" They may have the same soil types, size of farm and equipment, and each may work as hard physically as the other. Yet one man is consistently more successful than his neighbor.

The successful farmer uses his head and makes it pay, and the very reason why more do not succeed is because head work is hard work and requires an expenditure of nervous energy that but few are willing to make. Successful farm management is not one master stroke, but it is the combination of many. As an example we find many dairymen neglect to keep accurate breeding records, resulting in a lower average production per cow, because of too long or too short dry periods. The greatest livestock men have been those who have had an intimate knowledge of the individual habits, character, and need of each animal in the herd and recognized the high potential returns from gentle handling and constant observation. A man can not know too much about his livestock, and knowledge and judgment must be applied to have real value.

While some blame their troubles as being due to politics, weather, meat packers, dealers, and what not, the other fellow goes right ahead and makes money under the same conditions. Let us try to give more time to management and less to government, trusts, chain stores, etc.

Amos Davidson,
Apprentice Teacher in
Animal Husbandry

Turkeys are becoming a year-round table bird instead of being saved for holiday seasons, says the United States Department of Agriculture.

During the 1940 fiscal year, cash receipts from National Forests in the United States amounted to \$5,859,183.87.

Skilled tree planters of the United States Forest Service can plant trees as fast as five or six a minute for five minutes.

Bronze medals were given to the members of the winning team by the State Department of Agriculture. This is the first time this has been done.

FRESH EGGS FOR SCHOOL CHILDREN

While a hot and abundant breakfast is a good beginning for almost everyone, for school children it is a "must". When attractively served and well cooked, the school day is off to a good start, and happy, healthy children will find the school room a pleasant place. Breakfast may follow a pattern that consists of fruit juice, cereal, muffins or toast, eggs and milk, but it doesn't have to be monotonous, for fresh eggs can be cooked and served in a different way for days and days—even for years.

Sometimes it is a question whether it is more difficult to have variety in the child's lunch when it has to be taken in a lunch box, or in the one served at home. Here again, fresh eggs come to the rescue—in the lunch box, as sandwich filling, alone or in combination with other foods, or as dessert in baked custards, home-made cookies and cake. At home, to, eggs may be the main luncheon dish or dessert, according to individual likes.

Sandwiches are good daily travelers. Use plenty of butter and for fillings, chop hard-cooked fresh eggs with half as much cooked ham or bacon, also chopped, and moisten with salad dressing. Spread on whole-wheat bread. Salmon, sardines or grated cheese may be mixed with mashed or finely chopped hard-cooked eggs to make sandwiches children will like. And sweet pickle, chopped celery or cucumber, lettuce or cress may be added at times to the hard-cooked eggs, mashed and mixed with salad dressing.

DOUBLE-BOILER EGGS may be served for breakfast or luncheon, and are cooked to just exactly the right consistency. Beat 3 eggs with 1-2 teaspoon salt, and a few grains of pepper until very, very light. Add 1 cup of milk and pour into the well-greased top of a double boiler. Cover and cook over boiling water on medium heat for 30 minutes, without removing the lid. Spoon out and serve as you do scrambled eggs.

EGG-DROP SOUP would give variety. Have well-made meat broth, lamb, beef or chicken, oiling slowly. Beat 2 eggs fairly stiff with a bit of salt and pepper. Drop the beaten eggs, a teaspoon at a time, into the broth, and serve at once.

Apples rank high in carbohydrate and iron content, and they are a particularly valuable source of vitamins A and C.

ESSEX FARMER AND HOME MAKER

VOL. 22

HATHORNE, MASS., OCTOBER, 1940

NO. 10

The Farm Defense and Future

What is likely to happen to Agriculture in the near future because of the war situation? We need to consider these war problems carefully. Farm labor is already becoming scarce and high priced. Farmers probably will attempt to meet this scarcity by working harder and longer or by utilizing more machines, making farm work more attractive might help.

Have you considered the Farm freezing and Cold storage box as a means of reducing food costs and storing of meats, fruits and vegetables on the farm?

Getting work done now while labor is available seems mighty worth while. Fence repairs, fixing up of machinery repairing harnesses are illustrations of getting ready for emergencies.

The state farmer's defense committee assures us that there is only 12 days supply of food in New England. Feed for livestock, gasoline, machinery depend upon transportation to reach New England. If that transportation becomes jammed with war work, where will the farmer get off? It then behooves the farmer to look after his spare repair parts for his machines, to stock up or put in a storage tank of gasoline, to provide, and secure concentrates against the future needs, to grow more of his livestock feed on the farm.

The State committee is making a survey of the needs for coal, oil, fertilizer, spray materials, livestock feeds and other farm materials. A census of farm tractors and trucks is being taken.

It was felt that farm financing should be kept on a sound basis.

The women emphasized that now was the time to emphasize foods rather than clothing or furniture. Nutrition has a lot to do with building morale. People who are ill fed are an easy prey to fears, uncertainties and isms. So let us work to alleviate this problem.

F. C. Smith,
County Agent

300 BUSHEL POTATO CLUB

Two growers in Essex County have already qualified for membership in the 300 bushel club in Essex County. Orrin C. Poole of Rockport with a yield of 304 bushels per acre from Cobblers and George Kinney of Amesbury with a yield of 424 bushels per acre from Chippewas.

How's Your Credit

Recently a friend of mine remarked, "I must pay this bill. It's long overdue, and I value my credit".

The term "credit" has a great many meanings. For the purpose of clarity let me state my interpretation for this particular discussion. Credit is the ability of an individual or an organization to obtain something of value at the present time with a promise to pay for it later. Practically all businesses today are carried on with some degree of credit. Therefore this is a subject whose study should be important to everyone, and it is from this point of view that I am writing briefly.

At the bottom of any transaction that involves credit is confidence based on a person's reputation for paying bills when they are due. It is credit that enables business to obtain many goods when it needs them. This need of credit is thereby brought home to the individual. Daily supplies of food, clothing, fuel, and shelter are needed, but pay for them is not given every day and quite possibly not every week. How many people pay the milkman at five o'clock each morning when the milk and cream are delivered?

Loans are made on a basis of credit. When a person works for an employer for a week or a month a form of confidence based on credit is employed, namely that at the end of a stated time, payment will be made for that period of service.

Unless a person is well known to a friend he will have to prove he has a reputation for paying his bills at the promised time before he can obtain credit. A well-established credit rating is an asset that should be cherished by any man or woman, for the person who can obtain credit is respected. The student who finds it necessary to borrow a quarter on Tuesday and promises to pay it back next day should begin to establish his credit rating by paying that obligation, although it may be small, on Wednesday.

Credit may be lost easily, so don't overdraw your checking account, watch your charge accounts carefully, and don't burden yourself with too many small payments under the so-called budget or installment systems, for "a small leak can sink a great ship".

Verna L. Clarke,
Div. Head, Academic Dept.

Dr. Milken of the California School of Technology has stated that the United States produces twice the wealth per worker as England; three times that of France or Germany, and thirteen times that of Russia.

Occupational Data Class of 1935

A study made of the present occupations of graduates of the 1935 class show the usual number following agriculture or related work. Of thirty-three graduates who responded to a quiz twenty are definitely engaged in agricultural pursuits; two are in work closely allied to agriculture and eleven not engaged in agriculture at the present time. Of the two graduates in related work one is a salesman for a poultry supply house and the other a salesman and demonstrator of farm tractors, both jobs obtained through having agricultural background.

Ornamental gardening is the business followed by eight of those replying. General farming and floriculture each have three. Dairy farming and poultry each two, fruit and ornamental nursery work each one.

Three of the twenty in agriculture occupations are in business for themselves, two are managers, one a renter, one a partner, and thirteen are working for others, and therefore classed as laborers.

The graduates not following agriculture listed their occupations as: Steam fitter, one; factory worker, one; garage helper, one; rubber mill worker, one; woolen mill workers, two; machinists, two; hospital attendant, one; truck driver, one; elevator operator, one.

Several interesting letters were received in response to the quiz, and most of those who replied gave all the information necessary. Most of those replying preferred to write an account of their work for the last five years, rather than make use of the complicated form furnished to obtain the occupational data.

When information is at hand concerning those who failed to reply, we do not expect much change in the percentage, 67% in related and agricultural work, 33% in non-agricultural work.

George E. Gifford

DEMONSTRATION FARMS

State Conservationist, Dr. Arthur Beaumont and County Agent Smith visited and approved two more farms in Essex County for Soil Conservation demonstration purposes. These farms are the Edson Walker and Son in Merrimac and James A. Watson and Sons on Dayton Street, Danvers.

This brings the total number of demonstration farms in Essex County to seven.

Essex Farmer and Homemaker

HATHORNE, MASS.

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GLOVES

Glove making is a highly skilled trade and I have been told that there are about sixty operations in making one pair of gloves. A brief outline given by the American Leather Glove Industry follows:

"Skins for gloves are tanned and dyed in the tannery, then they are sent to the manufacturer, where the main part of the glove with the exception of the thumb is cut. The small pieces left from the first cutting are used for the thumb. They are then stitched on special machines, usually with silk thread. The finished gloves are then put on a form the shape of a hand and pressed with steam.

The South African sheep is the animal from which real Cape leather is obtained. Kid skin is the skin of a kid which has fed on nothing but its mother's milk. Doeskin and Chamois are made from lamb-skin.

Suede is a skin which is tanned whole and the finish given on the flesh side instead of the skin.

Mocha is a high quality skin from North African sheep. It was called Mocha because it was discovered and developed by a coffee man. Pig skin is leather from a wild boar of South Africa."

Abbie Clapp,
Clothing Instructor

FALL FLOWER SHOW

Nearly 500 people attended the three day Fall Flower and Garden Show which was held in the Assembly Hall and Gymnasium of the School, October 4, 5 and 6.

The Judges worked hard and long deciding on the awards. The judges were Mrs. Bessie Buxton, Mrs. Herbert June and Miss Ruth Woodbury, judging the flower arrangements while Mr. Archie Adamson, Mr. Harold Stevens and Mr. Woodbury Bartlett, judged the gardens and natural scenes.

Sweepstake prizes went to first: William French of Lynn, second to Frank Lane of Manchester and third to George Banks of Saugus.

First prize winners were: John Ambrefe, Peter Venti, William French, George Banks and Donald Joiner. First prize winners in Flower arrangements and plant arrangements were Howard Bacon, Robert Mizzi, Frank Lane, Harold Jones, Forest Reynolds, Ada Fothergill and Mary Carey.

On Friday evening Mr. and Mrs. Charles Haddrell of Marblehead showed colored pictures of their gardens. Each week throughout the season they have taken pictures of their gardens showing the growth of bloom. An orchestra under the direction of William French played during the evening.

The officers of the Show were: Chairman and general manager Peter Venti; George Banks, Warren Brown, assistant managers; John Ambrefe, Lisle Sawyer, Iva Noyes and Priscilla Glines were clerks. Instructors White, Wright and Stevens were the advisors.

REST WHILE WORKING

In a little talk with Dr. Paul Roth, of Battle Creek Sanitarium, he told me what, in his experience, is the best key to rest. Doctor Roth knows a great deal about the human machine. He is the inventor of the oxygen tent, and was a pioneer in the development of equipment for testing basal metabolism. So his advice is valuable.

Doctor Roth believes that the best key to rest is found by adding variety to one's activities—not in merely loafing and doing nothing. He says that the supreme secret of relaxation is in doing something one likes to do, in producing something one can be proud of — writing a poem, building a bookcase, planting a garden.

Let's take Doctor Roth's prescription and apply it to our daily tasks. By liking our work, by being proud of what we produce — we actually will learn to rest while working.

There can be as great a thrill in running a business as in cultivating a garden. We can be as proud of creating a quality product as in raising a perfect flower. And when we approach our work in this spirit we will find fun and relaxation in our jobs.

HONORS TO MRS. ARTHUR OLSON

Mrs. Arthur Olson, president of the Essex County Women's Advisory Council has been chosen to represent Massachusetts Women at the National Home Demonstration Council meeting to be held in November at Purdue University, Lafayette, Indiana. Upon her return Mrs. Olson will give a report at the December 6, meeting of the Massachusetts Home Demonstration Council which will be held in Worcester at the Y. W. C. A. It is hoped that a number of Essex County Council members will plan now to attend that meeting to hear Mrs. Olson.

The next meeting of the Essex County Advisory Council will be held Wednesday, December 11, at Essex Aggie.

LEADER TRAINING GROUPS

Two leader training groups are being held in the County, Hamilton and Newbury. The Hamilton group is under the leadership of Mrs. Esther Cooley Page of Mass. State College. Leaders are attending from Middleton, Danvers, Rowley, Essex, Swampscott, Beverly and Hamilton.

Leaders meeting at Newbury are from West Newbury, Byfield, Newbury and Amesbury. These leaders are meeting under the leadership of the Home Demonstration Agent.

A children's coat class of Danvers mothers is to be held at the Danvers High school, beginning this month.

Food classes with Miss Esther Belair, food teacher are meeting in West Buxford, two at the Essex County Agricultural School, Manchester and Clifton.

Mrs. Mary E. Roundy, R. N. is meeting with the Home Hygiene groups in Merrimack, two in Newburyport and Andover.

New classes will form in January, any one interested please send your name to Mrs. Mary M. McIntire, Essex County Agricultural School, Hathorne.

Any time is time to lime, says the leaflet on LIMING MASSACHUSETTS, published by the Massachusetts State College extension service. Fall is most convenient for many farmers work is not so pressing, roads are better, and the lime will have time to sweeten the soil before spring seeding. Copies of the leaflet are free to residents of Massachusetts who request it from the Mailing Room, Massachusetts State College, Amherst, Massachusetts.

The 1940 cranberry crop is estimated at about 6 per cent below the average.

Of about 1,200 species of plants commonly called weeds in the United States, less than 30 are aggressive enough to survive indefinitely on crop-rotated land.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

OCTOBER, 1940

NEWSWRITERS

On Wednesday, September 25, the newswriters in the Homemaking Department held their first meeting. The meeting was under the direction of Miss Clarke, advisor in both the newspaper and the Green and White, the school magazine.

Attending the first meeting were: Marilyn Ostler, Methuen; Lena Barbagallo, Lawrence; Dorothy Daly, Lawrence; Margaret Kennedy, Lawrence and Ruth Maxwell, Lynn.

The girls were given their first assignments, and planned for their next meeting.

At the second meeting seven other girls joined the group. They included: Bessie Pearson, Byfield; Rita Hitchcock, Danvers; Lucy Tela, Lawrence; Priscilla Wilkins, Beverly; Eleanore Gray, Marblehead; Ruth Adams, Georgetown; and Betty Maxner, Beverly.

The next meeting was held Wednesday October 16.

Ruth Maxwell

FLOWER ARRANGEMENT PROGRAM

On Thursday, September 26, all the senior girls met with Mr. White to discuss what preparation they needed for the fall flower and garden show, which was held in the Agricultural Building of the School October 4, 5, and 6. This was the final meeting of the garden class of senior girls which met with Mr. White last year. At this meeting he showed the girls the correct care of cut flowers and the correct way to arrange flowers in attractive bouquets. Last spring these girls made miniature gardens, a few of them were put into this year's flower show.

Mr. White attended the Homemaking department October 2, and presented the girls with awards for outstanding work in this class.

Eleanore Gray

BIRTH

Mr. and Mrs. Stanley Emerson of Rowley are the proud parents of a son Andrew Ralph, born September 17. Stanley is a graduate of Essex Aggie Class of 1928.

MARRIAGE

Grace Mann of the Class of '38 and daughter of Mr. and Mrs. Herbert W. Mann of 9 Evans Place, Amesbury became the wife of Raymond A. Deguio, son of Frank Deguio of Waltham, on September 21.

NEW BOOKS IN THE LIBRARY

Many new books were added to the library of the Homemaking Department this fall.

"An Introduction to Western Civilization" by George A. Hedger is a study of Western civilization which developed in Europe and later spread to other parts of the globe including North America.

"Cues for You" by Mildred Ryan caters to the present day needs of adolescent boys and girls and looks to the future when they will have matured and times will have changed.

"Economics in Everyday Life" by Goodman and Moore gives the principles of economics with particular stress on the application of these principles to the life of the consumer today.

"Love at the Threshold" by Frances Strain consists of stories which are incidents suggested by a variety of experiences which can happen to anyone. The author hopes that the thoughts in this book will point the way to happiness in dating, romance, and marriage.

"Our American Past and Present" by Knowlton and Harden, is a volume of history that has been broadly interpreted as the story of the life of a people presented in its manifold aspects, social, economic, and political.

"So You Want to Open a Shop" by Keir is an excellent handbook for the amateur approaching the subject of opening a shop with little or no background of business experience.

"Social Living" by Landis and Landis is a normal view of society that will help to see not only change, but order and stability, grievous problems that vex society, and the living, growing, working normal system which society is.

"Sociology for Schools" by Cole and Montgomery introduces the science and art of human relations built upon the knowledge acquired in civics and aids in gaining concrete and definite knowledge of major social problems.

"Teaching High School Students to Read" by Center and Persons is the report of an undertaking in the Theodore Roosevelt High School in New York City, to reduce retardation in reading among the older students.

"To Market to Market" by Gamble and Porter is a book written by a housewife that does well in telling you how to buy what you eat.

Priscilla Wilkins

To have a succession of blooms start your dishes of bulbs about two weeks apart.

SUMMER PROJECT AWARDS

On Friday afternoon September 27, at the Homemaking Assembly, Miss Smith, supervisor of home projects, presented awards for work on Summer projects. These awards were based on the decisions of Mrs. Horace J. Shute of Methuen and Miss Marion Parker of Beverly who acted as judges.

Freshmen Foods: 1st prize: Ruth Karlson, Saugus; 2nd, Catherine Cahill; Lynn; 3rd, Virginia Rushworth, Danvers.

Freshmen Clothing: 1st prize, Helen Small, Danvers; 2nd, Ruth Karlson, Saugus; 3rd, Doris Donze, Methuen.

Junior Foods: Christine Brunn, Salem; 2nd, Dorothy Bozek, Peabody; 3rd, Lois Rand, Saugus.

Junior Clothing: 1st prize: Muriel Pontius, Lynn and Reina Gumb, Methuen; 2nd, Frances Calvert, Lawrence; 3rd; Bernice Marsland, Methuen. Honorable Mention was given to Lucille Trearmer of Lynnfield.

Margaret Kennedy

MEMBERSHIP DRIVE

The 1940 Echo Club membership drive will go down in Essex Aggie history as the first year that the club has had 100% enrollment. The Senior A and High School B divisions carried off high honors by being tied for first position, most of the credit being due to the efforts of Evelyn Seacole and Mary Carey. A vote of thanks should be given to Mary Carey, No. Andover; Priscilla Wilkins, Beverly; Evelyn Seacole, Lawrence; Dorothy Bozek, Peabody; Helen Small, Danvers; Betty Kirwin, Peabody; Carolyn Archambault, Methuen; and Edith Quinn of Saugus, who are members of the membership committee.

Dorothy Daley

GREEN AND WHITE

Students from the Agricultural Department attending the first meeting of the Green and White board held on October 1 were: Christos Mpelkas of Lynn; Henry Brittin of Byfield; Robert Jackson, Methuen; Thomas Owens, Salem; Raymond Mizzi, Salem; Edward Lynch, Lawrence; Arthur Nicholson, Methuen and Robert Bertram of Salem.

Sauerkraut is a good source of vitamin C and of calcium and some other minerals.

ESSEX FARMER AND HOMEMAKER

F. F. A. NOTES

The thirteen committees of the Essex Chapter of F. F. A. organized on October 9. These committees plan work of the Chapter for the year, preparing an estimate budget of receipts and expenses to be acted upon by the Executive Committee of the Chapter.

The Executive Committee of the Essex Chapter of the Future Farmers of America for the year 1940-41 has been elected by the student body and its membership is as follows:

President, Robert Landry; Vice-President, Raymond Mizzi; Secretary, Beverly Sawyer; Treasurer, Henry Britton; Reporter, John Ambrefe. Class representatives on the Executive Board are: Senior, Victor LaBranche; Junior, Robert Conway; Sophomore, Franklin Barlow; Freshmen, Robert Mizzi; High School Specials, Fred Hardy.

CHEER LEADERS

It is the custom at Essex Aggie to have cheer leaders for the football games played on our own field.

This year thirty girls signed up, the eighteen remaining are: Margaret Kennedy, Irene Koza, Lawrence; Rita Gauthier, Andover; Margaret Jenner, Lynn; Virginia Ayles, Miriam Fitchuk, Peabody; Edna Hughes, Middleton; Barbara Bell, Marilyn Ostler, Claire Burgess, Carolyn Archambault, Muriel Craven and Bertha Deluca all of Methuen; Mary Carey, Isabelle Rabs, North Andover; Ruth Maxwell Lynnfield; Ruth Thomas, Beverly; and Bernadette Lanier of Saugus.

Mr. Cole assistant coach and Miss Moore thought it would be fair to give everyone a chance so at each game five different cheer leaders are elected. Merrill Craven is the manager of the cheer leaders.

Marilyn Ostler

NEW GIRLS' COACH

The school is indeed grateful that the faculty regards physical education as a paramount supplement to study routine. Essex Aggie is equipped with gymnasium that has to be used by both boys and girls. Students look forward to their weekly period of physical education. Our new physical education instructor is Miss Doris Arthur, a resident of Ipswich, and a graduate of East Stroudsburg Teachers' College, Penn. She is a young woman of initiative, pleasing personality and ability. With these brief sentences we extend a hearty welcome to Miss Arthur and our thanks to Essex Aggie for recognizing the fact that physical education develops the assets of cooperation and good sportsmanship.

Lucy Tela

NORTH ATLANTIC REGIONAL F. F. A. SPEAKING CONTEST

The 1940 F. F. A. public speaking contest was held at the old church of the New England Village on the Eastern State Exposition grounds, Thursday, September 19. There were twelve boys representing states from Maine to West Virginia and as far west as Ohio.

Semi-final matches were held in the morning among the twelve boys. The six winners of the morning contests faced each other again in the afternoon and placed as follows: First, William King of Maryland; second, Paul Nesselrod, West Virginia; third, James Rush, Ohio; fourth, Lloyd Price, Jr., Pennsylvania; fifth, John Spencer, Connecticut and sixth, Christos Mpelkas, Massachusetts.

William King had for the subject of his speech "The Cooperative Movement in Agriculture". He is thus entitled to compete in the National contest to be held in Kansas City, Mo., in November where the F. F. A. representatives from three other regions in the United States and from Hawaii and Puerto Rico, will meet for the National Championship.

Christie Mpelkas

STAFF NOTES

Miss Ida B. Davis of East Taunton, was appointed by the Board of Trustees, last month, to fill the vacancy caused by the resignation of Miss Walker, our 4-H Assistant Club Agent. Miss Davis graduated in June 1940 from the Massachusetts State College, in Amherst. She has been in 4-H Club work for the past sixteen years and was leader in Clothing, Handicraft and Canning Clubs.

Instructor Henry Thurlow is confined to the Hunt Memorial Hospital for several weeks owing to a fall, while picking fruit in the school orchard. Students and staff will be pleased to hear that he is recovering and he will suffer no serious handicap because of the injury.

BOSTON MARKET TRIP

All the members of the Junior Class in the Agricultural Department under the guidance of Instructor Meigs and others of the school staff visited the Boston Market District on October 14, and 15. After visits to the Regional Market and the First National Warehouse, the students found sleeping quarters in the Fruit and Produce Exchange.

Market visits on Tuesday included the Farmers' Club on South Market Street, the Island on North Market Street, The Flower Exchange, Boston Terminal Co., and several wholesale commission and cold storage warehouses.

ALUMNI NOTES

Miriam Gagne '35 is working at the Standard Piezo Co., in Pennsylvania.

Pauline Frost '39 of North Andover will enter the training school for nurses at the Chelsea Memorial Hospital.

Margaret Skinner '35 formerly of Peabody, has gone with her family to 904 North Street, Newport, Tennessee.

Mrs. Jean Knowles Hatch, '39 has moved to 87 Cooper Street, Manchester, Connecticut.

Edith Boissoneault, '40 is working at the Essex Sanatorium in the diet kitchen.

Cecile Cheney, '40 is employed at the Salem hospital.

Katherine Foster formerly of Beverly is living in Meredith, N. H.

Joan Manwell, '40 is attending the University of Maine.

Page Gifford, '40 is attending the Salem Commercial School.

Warren French ex-41 of Lynn has joined the 2nd Recruit Co., Air Corps, and is now stationed at Fort Slocum, New York.

Norman Allen and William Lane both members of the Class of 1940 are in the army. Lane is with the Coast Artillery in California.

Robert Chisholm of Gloucester ex-'42 has entered Wentworth Institute in Boston.

Charles Gibbs ex-'41 is enrolled at the Stockbridge School of Agriculture, Amherst.

Thomas Swiniarski '34 is a member of the 1st Corps Cadets U. S. N. G.

Lena Barbagallo
Eleanore Gray

SPORTS AT E. C. A. S.

Fall sports for the Green and White Athletes opened Friday, October 4, when the football team gained a 26 to 0 verdict over the Lawrence High School 2nd's, before a large number of spectators on Bauer Field.

The Cross Country team was victorious over a Chelsea High hill and dale team 17 to 19.

The Freshmen Tennis Tournament is now down to the Quarter finals and the following boys remain, Robert Little of Boxford; Claude Venoit, Lynn; Anthony Allen, Lawrence and Erik Haugaard of Danvers.

As the "Farmer" goes to press the Essex Aggie Band is getting underway and it is hoped by the next issue it will be in full swing.

A new tournament this year which has created quite an interest is Horseshoes, with 26 Freshmen playing matches at noon to decide the Champion.

Aggies next opponent on the gridiron will be the Wentworth Jr. Varsity which battled the Green and White to 0-0 deadlock a year ago. This game will be played on the home field.

James N. Cole

OLD ORCHARD HILL FARM

Old Orchard Hill Farm located at 261 Chadwick Road in Bradford has been in the present family for three generations. At the turn of the century George Wallace purchased the farm, and about 1903 his son Chester D. Wallace bought it and operated it most successfully until his death a few months ago.

The farm is still owned by his widow Mrs. Mabelle Wallace while the manager is Gilbert Wallace, one of the sons. Gilbert worked with his father on the farm ever since he graduated from the Essex County Agricultural school in 1935. He is only 25 years old and at present has nine men working on the farm which has about 100 acres, owned and leased. They specialize in fruit and when the Elberta peaches at their best and the bright red of the McIntosh apples there certainly was plenty of color among the 1500 trees.

This farm is a diversified farm in that they have not only fruit which is their specialty but there are 22 acres of truck crops and about 4 acres of Howard and Catskill strawberries. Their herd of cattle are Holsteins with eight milking cows and four heifers.

Gilbert Wallace has entered many of the contests at Topsfield Fair during the past few years this year as usual he won many prizes. Among them was first prize for his plate of Seckle pears; second prize for Elberta peaches and a second for Bartlett pears, as well as several third prizes.

While a student at Essex Aggie, Gilbert majored in fruit and in his Senior year he won the Ralph S. Bauer prize which was given for excellence in summer project work.

Besides managing this large farm Gilbert Wallace finds time to serve as one of the checkers for the Agricultural Conservation program, here in Essex County.

Whenever the name of Gilbert Wallace is mentioned among Essex Aggie people or other fruit growers in the County they all say what a grand job he is doing in carrying on the work which was started by his grandfather.

Dewitt C. King of the United States Bureau of Agricultural Economics states that 65 percent of American families live on \$69 per month. He also states that they need twice that amount for a minimum standard of living.

Loyalty may mean severe criticism of an individual or institution provided that criticism is done in the right spirit and for an honest purpose. Co-operative leaders must welcome constructive criticism in order to overcome weaknesses and to grow.

RESULTS FROM SPRAYING SWEET CORN

Roger Lewis the only grower in Essex County to spray sweet corn with Derris Root and Ultrawet to protect against 1st generation of European Corn Borer states: "On early corn all of which was sprayed (4 times) the percentage of borer was less than 10% on one piece and less than 5% on the other." Corn borer damage was light in the Andover area this year as reported by John Rosmussen (5 to 10%).

Roger Lewis further states: "that a spray boom (homemade) makes the labor of spraying very small. The corn was planted in 8 row blocks with 2 to 4 rows of snap beans between each block to allow the sprayer to pass".

C. O. C.

FORESTRY NOTES

The County Forestry committee is actively at work and plans are underway for a bigger and better program for 1940-41.

The committee has requested the Agricultural Conservation Program to make use of the \$30.00 reforestation payment under the ACP optional on the part of the woodlot owner as to whether he uses it to improve the existing stands or to make new plantings with prior approval of competent authorities.

The ACP 1939 program report shows that over 50% of the forestry improvement practices (220 acres of the 412 acres in Massachusetts) and over 50% of the tree planting (104 acres out of the 191 acres in Mass.) were carried out in Essex County.

Another lumber grading demonstration will be held during the latter part of October or early November to acquaint woodlot owners with specified grades of white pine. The site and exact date will be announced soon.

C. O. Cartwright

CHEESE SNAPS

Cream together 1-2c. butter and one 3 oz. package of snappy cheese. Into this mixture knead 1 cup flour a little at a time. Roll out 1-8" thick. Cut with a small sized floured cutter. Sprinkle paprika over the top of the crackers and bake at 400° F. for about 12 minutes.

This amount makes 5 doz. crackers. Serve hot with salads or pineapple cocktails and they literally "melt in your mouth."

According to the U. S. Fish and Wildlife Service, at least 18 1-2 million fur animals were trapped in this country during the past year. Massachusetts' share was 56, 123 animals of 10 different species. Muskrats totalled 38,476; common large skunks 8,367; and red fox, 4,122.

GARDEN CHAT

Vegetable center pieces for your dining room table or sideboard should be just as common as one of gourds, flowers or fruit. Why not? Try one, if you like novelties. Here is a suggestion. Secure a medium size pumpkin and hollow it out as if you were to make a Jack-O-Lantern. Place a small tumbler filled with water in the center of the pumpkin. Stand up a stalk of celery in the water so as to keep it fresh. Pack in some paper or what not about the tumbler so as to keep firmly in the center and at the same time to give you bottom packing material. About the celery stalk, protruding above the pumpkin, alternate green peppers, carrots, tomatoes, onions, potatoes, beets, etc., so as to give a variety of colors. For one day's occasion the carrot tops about the base of the pumpkin would stand up without wilting, too much, and furnish you with a contrasting color and border decoration. Another suggestion would be: take a large bowl (chopping bowl, etc.) or fruit dish; place several DesMoines pumpkins (green acorn shaped squash) apart from each other and fill in with tomatoes, onions, carrots, beets, etc. A little crinkly endive or parsley might be worked in along the edges. There are many other suggestions that might be tried that would be equally attractive. Halloween and Thanksgiving make an excellent time to try out such a centerpiece.

If you have stored any vegetables away for Fall and Winter use, there are three pre-requisites to keep in mind for successful storage: temperature, humidity, and ventilation. The root group: such as carrots and beets, potatoes, and cabbage, etc., require low temperature (34°), and high humidity along with proper ventilation. Onions and squash prefer cool (34°) temperatures, but low humidity and plenty of circulation of on the ground singularly allow in-air.

Have you cleaned up the weeds left in your garden and taken the carrot tops, etc., and placed them on the compost pile to rot down? These out on the ground singularly allow insects to winter over, and yet pulled and placed in a pile to rot down would not make such good conditions for those annoying insects to winter over.

C. M. Stearns

A few of these in your Christmas wreaths will make them individual, or a bouquet of the colored grasses make a lovely winter bouquet when flowers are scarce.

Now is the time to purchase bulbs for those blooms in the house at the holiday season.

When in doubt, ask your county agent.



4 - H CLUB NOTES



STATE BOYS' DAY

Eighteen 4-H Club boys from Essex County will participate in this year's state Boys' Day program at the Mass. State College in Amherst on Saturday, Oct. 19. The boys will be chosen for their record of 4-H Club work and the project work which they have done.

The program will include judging and identification contest in Poultry, Dairy, Gardening, Handicraft, Conservation, and Electricity. There will be three boys on a team in each of these contests from each county in the state. Following the contests the boys will be guests of the State College Football game which will be followed by a banquet at which the prizes will be awarded for the contests. A beautiful Silver Trophy will be awarded the County with the highest scores for all contests and individual medals will be given to the high scores in each contest while the team prizes will be loving cups. This is the one day which every 4-H Club member looks forward to.

Three handicraft clubs and three poultry clubs have been organized in Saugus, under the direction of David Cameron and Paul Corson. Other clubs are being organized in many communities and by the end of November we hope to have a boy's 4-H Club in every town in Essex County. For information regarding the starting of poultry, handicraft, electrical or any clubs of interest to boys, get in touch with your County Club Agent, Horace J. Shute, Hathorne, Mass.

4-H EXHIBITS SUCCESS

The value of the 4-H work was exemplified with the fine showing made by the members at the fairs this fall. Essex County boys were represented at Marshfield, Brockton, Topsfield Fairs and Eastern States Exposition with creditable exhibits of Poultry, Dairy and Vegetables.

The Dairy Exhibit at Topsfield Fair was nearly twice as large as the year before, showing that this project is gaining many new members each year. Lyman Orcutt of West Newbury is planning to purchase another purebred calf so he will have 4 to exhibit next year. Forrest Reynolds has also purchased a new calf, making two for him. Forrest just missed the show last year because his animal was too young. If you can get a calf, or if you already have one, get in touch with your club agent at once and get signed up in the 4-H Club and join the circuit of exhibitors. Marshfield, Brockton, Topsfield and Eastern States are on the list for next year. Write to Horace J. Shute, County Club Agent, Hathorne, Mass.

CLUBS ARE STARTING

Has your Club already organized for the coming season? Or if you don't belong to a club, perhaps you would like to get together with some of your friends, with a parent or teacher as your local leader, and form a new 4-H Club. Now is the time to begin, so as to get a good start and learn how to do many things.

The clothing and food projects offer many interesting programs that you could follow, for beginners right through to senior and advanced work. In a clothing club, once you have learned to sew, you can make a complete outfit for yourself, and make some lovely new things for your room; also make gifts for your family and friends (Christmas will soon be here, you know). As a food club member you can try out those favorite recipes; learn how to plan and prepare whole meals or how to be a "hostess".

As a 4-H Senior, you might like to organize a club in homecraft, or home furnishings, or child care ("Big Sister"). Club work isn't all work, you know. When you get together with your fellow members, you will include singing and recreation as part of the meetings. And remember that during the year there will be community or county wide get togethers, exhibits, contests, and trips to look forward to. Join Now!

Why not organize your club on a year round basis, from October to the following October? You could divide your work into summer and winter projects, and keep up your activities for an entire year.

Clothing clubs could take up some needlework or craft work during the summer; food clubs might like to study outdoor cookery and picnic lunches. A garden club could be a garden club in the summer and study conservation during the winter. In fact, you could work out any program that would suit the needs or the desires of the club members. What are some of your ideas on this matter?

Ida B. Davis

The Poultry exhibit at Topsfield had 42 entries, the largest number in years. Much credit for this fine showing and the display of educational exhibits was due to Paul Corson, the Leader of the Red Rooster Club in Saugus.

Now is the time to gather milkweed pods, grasses, cones and other seed pods from the country side. Let them dry thoroughly, then bronze them to use in your Christmas decorations.

ATTENTION OLDER YOUNG PEOPLE!

Perhaps a group of you would like to organize a 4-H Club along new lines. A group of 5 or more boys and girls might like to consider these: Book-lovers, Dramatics, Music, Art, Nature Study, Bird Study, Safety and Fire Prevention, Electricity, Lighting, Cultural development and Simple Repairs. It is understood that, while these topics could and should be included to some extent as a part of the program of every club. Clubs organizing for the sole purpose of studying any one, or a combination, of the above subjects would undertake rather a comprehensive study of that subject.

If you are interested in starting a Club using a new project, and would like to get more information about it or would like suggestions for a program, please write to Miss Ida Davis, Asst. County Club Agent, Hathorne, Mass.

"May thy life be as sweet
And its last sunset sky
Gold tinted and fair
As thy own pumpkin pie."

Whittier

Speaking of pumpkin pie, have you ever tried a pumpkin or squash pie with no crust? If you find yourself short of time and can't seem to get that pie crust made, just mix up your pie filling same as usual, pour it into a buttered dish, and bake. Serve hot or cold, it's delicious!

If you have a bit of news about your club or about a member that you think would be of interest to the entire county, have your Club secretary send the news item in to the assistant 4-H Club Agent, Essex Co. Agricultural School, Hathorne. We are thinking of starting a news exchange corner on this page. Help your club to be worthy of recognition.

Ida B. Davis

The cultural value of a college education has seldom been disputed. But in this "what-is-there-in-it" age, the economic value has often been disputed, and violently.

Comes now a survey of former Pulitzer College scholarship winners. These scholars were chosen from New York's lowest income group at the time they entered college. The survey shows that about 22 percent of these men are now earning over \$10,000 a year; 10.4 percent are earning between \$7,500 and \$10,000; 20 percent, between \$5,000 and \$7,500. Only 9.6 percent are earning between \$1,000 and \$2,000; and the average income of the group is \$5,000.

ESSEX FARMER AND HOME MAKER

VOL. 22

HATHORNE, MASS., NOVEMBER, 1940

NO. 11

Testimonial To Director Smith

On the evening of October 22 an informal supper and meeting of a few friends and representatives of various groups met at the Homemaking Department of the Essex County Agricultural School.

The occasion was a testimonial to Fred A. Smith, Director of the Essex County Agricultural School for the past twenty-seven years, who has recently retired. The affair was kept very small and informal as it was the wish of the guest of honor.

Following supper those present brought greetings from the organizations that they represented and Robert O. Small of Beverly, National President of the American Vocational Association and Massachusetts State Director of the Division of Vocational Education spoke and he presented on behalf of Director Smith's many friends and associates a leather bound book of testimonial letters, an enlarged edition of Hammond's Atlas and a pair of binoculars.

Eric Bergstrom of Salem, President of the Alumni Association presented a chronometer and barometer combined to Mr. Smith, to be used on his boat. Horace J. Shute of Methuen, Secretary of the Alumni Association presented to Mr. Smith a Life Membership in the Alumni Association. Mrs. Melville G. Grey presented a beautiful bouquet of flowers to Mrs. Smith.

ATTENTION ALUMNI

The 24th Annual meeting of the Essex Aggie Alumni Association will be held at the Agricultural School on the night of graduation, Tuesday, November 26.

This year's activities will take the form of a patriotic banquet with the decorations and program in keeping. A turkey dinner will be served at 6.30.

It is expected that the largest number of alumni ever to attend this annual affair will be present, to greet our new Director, Mr. Harold A. Mostrom and Mrs. Mostrom.

The class of 1930 will be especially honored as this is their tenth anniversary. The 15th and 20th year members will also be feted.

All are urged to make their reservations EARLY, to insure a place at the table.

The annual business meeting, election of officers will be held followed by dancing.

Do Your Bit

"A nation's best first line of defense is its well nourished people" — so comes the word from Washington. Are you doing your duty in the defense program by keeping yourself and your family well nourished? In this country we can get all types of food at reasonable cost and in the amounts we desire. There is no great rise in prices and we have no "limited amounts only" available for individuals. Are we doing our bit?

First let me make it clear that food is only one necessity toward "good nutrition". Fresh air and sunshine, exercise, good food habits, happy mental attitude and plenty of rest and sleep are necessary along with a well balanced diet.

But what are the food requirements? All authorities agree essentially as to what our daily needs are and here they are:

1. Milk—1 quart for children—1 pint for adults.
2. At least two vegetables besides potato—one of these should be raw or leafy.
3. Two fruits—one citrus or tomato.
4. Whole grain products.
5. Serving of meat, fish, or substitute.
6. At least one egg a day.
7. Sufficient calories to make up the requirement for individual needs, a good average for a housekeeper is 2200-2400. Do you and your family meet these requirements?

About the milk—remember it may be used in desserts, soups or creamed dishes besides being served as a beverage. Added flavors such as cocoa, fruit juices, vanilla or salt, etc., may increase the palatability for those who think they can't drink it plain.

Potato is a valuable food and may be used daily but don't forget the other vegetables. Serve them raw frequently as salads or relishes and serve the green leafy ones often. Romaine, escarole and chicory are excellent and inexpensive.

Start the day right with fruit—it is the best beginning for a satisfactory breakfast. Tomato is considered a fruit and a very valuable one. Use it often in all forms. Cereals are not absolutely necessary for breakfast although they are valuable foods but some form of whole grain product is on most of the "must lists." Dark breads are very valuable and many cereal desserts and cookies are worth using at least weekly.

Be patriotic! Do your bit. Help keep the nation well nourished and you will be greatly aiding the defense program.

Ruth Emerson,
Foods Department

Make The Best of What You Have

"Learn to make the best of what you have and don't be concerned about buying new things", is the advice given us by David C. Mobley in his book entitled "More livable homes."

Are you the fortunate one, who has an attic filled with things discarded by your ancestors or do you belong to that group of bargain seekers who frequent those affairs brought about, many times, by misfortune, Auctions.

To whichever group you belong if you have appreciation of the old and beautiful many times with a little thought, work and expense, you can make beautiful ornaments for the home from old discarded things.

A few weeks ago I went to an auction, the lady who went with me purchased for seventy cents an old oval picture frame, of beautiful design. It was in good condition in everyway except some one had covered it with thick varnish that looked more like glue than wood finish.

In her mind she could visualize the varnish and original finish removed down to the wood, the frame then covered with antique gold, a mirror fitted into the frame with small expense, the result—a beautiful ornament suitable to use in livingroom, bedroom, or hall.

The person farsighted enough to visualize the line and design of many antiques will be able to select choice pieces for some particular nook in her home at little expense with enough effort to do the job well.

Myrtle R. Dunn

STATE FARMERS

At the State meeting of the F. F. A., Friday evening November 1, four Essex Aggie students were awarded State Farmers Degrees. They were Arnold Hebert and David Irons of the graduating class, Henry Britton and Harold Jones of the Senior Class. Henry Britton was elected to the State office of reporter and Harold Jones as Third Vice-President.

V. LaB.

GENERAL F. F. A. MEETING

The first general meeting of the F. F. A. was held on Wednesday, October 23. After business problems of the club were taken care of members were entertained by the Beaver Auto Co., of Salm. The entertainers presented pictures on "Sinking of the Graf Spee" and Jimmie Lynch in "Hell Drivers."

Essex Farmer and Homemaker HATHORNE, MASS.

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Eastern Massachusetts Society
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Secretary, E. S. Batchelder Cliftondale

Essex County Milk Goat Breeders'
Association
Secretary, R. H. Campbell Topsfield

F. F. A. PROGRAM

Two months of the F. F. A. program has passed the remainder of the program follows:

Dec. 4, Joint Assembly, "Nutchuk the Eskimo."

Dec. 11, Clubs.

Dec. 20, F. F. A. Party.

Jan. 8, Clubs.

Jan. 15, General Meeting—Film—The Eighty Years.

Jan. 22, Clubs.

Jan. 29, General Meeting—Speaker—Savings Bank Life Insurance.

Feb. 5, Clubs.

Feb. 12, Joint Assembly W. P. A. Orchestra.

Feb. 21, Echo Club Party.

Feb. 26, Clubs.

Mar. 5, General Meeting—Film—Coast Guard or Mass. Nautical School.

Mar. 12, Clubs.

Mar. 19, Farmers' Day.

Mar. 26, Clubs.

Exports of nearly all American farm products except cotton have dropped off sharply since the beginning of the war. Cotton exports went up because the European countries had very little on hand. Since the first of January, however, even cotton exports have been falling off rapidly.

DENMARK BEFORE 1940

As a Danish boy I want to tell you a few facts about my country. Denmark is a small country, 16575 square miles, about the size of Massachusetts and New Jersey combined. Jutland is a peninsula bordering on Germany and takes up three quarters of the land besides and there are 500 islands. The population is 3,800,000. Of these people one million live in the capitol, Copenhagen.

The Danish colony in Greenland is very big, 840,000 square miles and it is four times the size of France, but it has only 1700 inhabitants, the Eskimos. It is mostly covered with snow and ice. The Faroe Islands are important as a base for the fishing fleet of Denmark. Ninety percent of the soil in Denmark is made productive, seventy-five percent is being farmed "changing sand into gold" is the motto in Northern Denmark which is sandy. The total yield of all crops in Denmark is nearly three times larger today than sixty years ago, for every farm in Denmark \$1,200 worth of agricultural products are exported yearly.

Danish farmers produce more wheat, barley and oats per acre than their competitors in any other country. There are 1,730 dairies working on the co-operative basis and produce butter and cheese which are exported and the government guarantees that all butter is made from pasteurized cream, and contains at least 80 percent fat and not more than 16 percent water and no preservatives, except salt. To every dairy around 60-100 farms deliver their milk. Denmark, small as she is, supplies the world with more butter, bacon and eggs than any other country and obtains higher prices for all her products.

The country is ruled by the King in accordance with his government, which has for the last twenty years been of the Social-democratic party. But such improvements as Old-Age pension was established 50 years ago by the conservative party.

All persons are insured against illness by law and all fees for hospital treatment of any kind is paid for by the Insurance Company. All education in school as well as the University and College are provided for by the State and free to anybody who has brains to go there.

Denmark has free public libraries and many newspapers which are free to write what they choose.

All this was true before the eighth of April when a small peace loving country which spent her money in social improvements instead of using it for armaments was invaded by the Germans.

Erik Haugaard

The Essex County Agricultural School has been approved by the Soil Conservation Service as a Demonstration Farm.

ESSEX COUNTY EXTENSION SERVICE WOMEN'S ADVISORY COUNCIL

Foods courses under Miss Esther Belair are meeting in West Boxford, Manchester, Clifton and two evenings a week at the Agricultural School; with a large registration waiting for the new term which opens in January.

Mrs. Roundy, Home Nursing Instructor, is starting a First Aid Course at the Peabody Fire Station for the Peabody firemen.

We are hoping to be able to start the clothing classes in January 1941.

Mrs. McIntire, Home Dem. Agent, is planning to attend the Evening Practical Arts Supervisor's Conference at the Women's Industrial Union in Boston on the 15th of November and the Mass. Home Demonstration Council at Worcester on December 6, 1940.

A Children's Coat Class is being held at the Danvers High School on Wednesdays under the direction of Mrs. McIntire. Children's Coatmaking classes being held in Essex County at the present time. Mrs. Esther C. Page, State Clothing Specialist is meeting with a group of leaders at the Hamilton Community House.

Leaders from the following communities are meeting with Mrs. Page at Hamilton.

Essex—Mrs. Sadie Jones, Mrs. Ada Boutchie.

Hamilton—Mrs. J. A. Flynn, Mrs. Helena Cullity.

Danvers—Mrs. F. L. Marchant, Mrs. F. A. Chase.

Middleton—Mrs. W. T. Martin, Mrs. M. E. Collins.

Wenham—Mrs. I. P. Landers.

Rowley—Mrs. B. L. Blatchford.

Swampscott—Mrs. Ernest Jorgenson.

Peabody—Mrs. James F. McNiff, Mrs. J. T. Kirk.

These leaders are meeting with groups of mothers who are making children's coats under the leaders guidance.

Another similar group is meeting in Newburyport under the leadership of Mrs. McIntire. This group includes the following leaders: Mrs. Malcolm Wood, Mrs. Robert Knight, Mrs. Gerald Noyes, Mrs. Arthur Sauvan, Mrs. Hallet Noyes, Mrs. Ralph H. Chase, Mrs. Sammy Markos, Mrs. Agnes York, Mrs. John Carter, Mrs. Inez Preble.

Old coats and linings are being used in these classes and the results are very gratifying, both to the leaders and the teachers.

Mrs. Arthur Olson is leaving Manchester this week for Purdue University, Lafayette, Indiana, as a delegate to the conference of rural women to be held at the University. Mrs. Olson is to give her report on this meeting at the conference in Worcester on December 6. Mrs. Olson is President of the Women's Advisory Council.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

NOVEMBER, 1940

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanor Gray '41	Marblehead
Rita Hitchcock '41	Danvers
Margaret Kennedy '41	Lawrence
Betty Maxner '41	Beverly
Ruth Maxwell '42	Lynn
Bessie Pearson '42	Byfield
June Porst '41	Methuen
Lucy Tela '41	Lawrence
Priscilla Wilkins '41	Beverly

Agricultural Department

Donald Martin '41	Salem
Victor LaBranche '41	Haverhill
Burton Smith '41	Haverhill
William Hocter '41	Middleton
Walter Pike '41	Andover
Eugene Cobb '41	Georgetown

SENIOR CLASS NOTES

The Senior Class held its first meeting on October 18 in the Homemaking Building. The class president, Peter Venti called the meeting to order. Class pictures were discussed. A motion was made and passed to the effect that the Seniors have single pictures taken. Another motion was made and passed that the High School Graduates have just the single group picture. Following the discussion about pictures, the seniors talked over class dues. A motion was made and defeated that the dues would be one dollar. The class decided finally to pay seventy-five cents for dues. It was voted that the president select the picture committee.

At a later meeting the picture committee reported that Loring Studios in Lynn would be the photographers. Pictures were taken on November 7 and 8. Group pictures of the Senior Class Officers, Executive Committee of the F. F. A., Orchestra, and Echo Club Officers were also taken.

The officers of the Senior Class are: President, Peter Venti; Vice-President, Muriel Pontius; Secretary, Frances Calvert and Treasurer Alden Moreland.

L. B.; J. P., and D. M.

ASSEMBLY

On October 17 in assembly a very interesting talk was given by Mr. David Bartlett on "Safety about the Farm".

As a representative of the Century Indemnity Insurance Co., he is sent

ECHO CLUB OFFICERS

The list of officers and committee members of the Echo Club for the year 1940-41 is now complete.

President, Muriel Craven, Methuen
Vice-President, Elaine Kennedy, Danvers

Secretary, Dorothy Rowbottom, Danvers
Treasurer, Claire Burgess, Methuen

Committees

Membership and Service: Doris Englehardt, Lawrence; Mary Carey, No. Andover, chairman; Evelyn Seacole, Lawrence; Dorothy Bozek, Peabody; Judith Jameson, Saugus; Betty Kirwin, Peabody; Edith Quinn, Saugus; Carolyn Archambault, Methuen.

Program: Betty Maxner, Beverly, chairman; Marion Leach, Peabody; Lena Barbagallo, Lawrence; Bernice Marsland, Methuen; Doris Donze, Methuen; Rita Hitchcock, Danvers; Catherine McCarthy, Saugus; Mary Lovely, Haverhill.

Athletic: Priscilla Wilkins, Beverly; Pauline Roy, Peabody; Bertha Deluca, Methuen; Phyllis Cook, Beverly, chairman; Dorothy Rowbottom, Danvers; Claire Oak, Lynn; Margaret Purcell, Lawrence; Diana Olds, Methuen.

Budget: Eleanor Gray, Marblehead; Dorothy Daly, Lawrence; Ann McGann, Peabody; Ilene Briggs, Beverly, chairman; Rita Bosse, Lawrence; Ruth Maxwell, Lynn; Margaret Jenner, Lynn; Marion Peatman, Ballardvale.

Executive Board: Margaret Early, Lawrence; Barbara Hennigar, Danvers; Ruth Krankka, Peabody; Ruth Thomas, Beverly; and the officers of the club.

P. W.

CHRISTMAS DECORATIONS SHOW

The fifth Annual Christmas Decorations Show will be held in the main building of Essex Aggie on December 13, 14 and 15. Beverly Lisle Sawyer of Rowley is general chairman and manager of the Show. Joseph Roche is chairman of the Sales committee; Warren Brown, Judging; Howard Bacon, entertainment; Harold Jones Schedule and Prizes; George Banks, Publicity; Ralph Marshall, Staging; Priscilla Glines, chief clerk; Vera Yonetz and Iva Noyes assisting.

out to warn policy holders against accidents that happen through sheer carelessness.

D. M.

GRADUATION SPEAKERS

Two girls from the Homemaking department have been selected as graduation speakers for outstanding work they have done. They are June Agersea of Saugus, whose topic is "Education for Living", and Dorothy Farnham of Peabody, her topic is "Home Project Becomes a Business."

The two boys from the Agricultural department who have been chosen to give essays are David Irons of Salem, his subject is "Vitamin D in Milk." Arnold Hebert of Saugus will speak on "Soiless Gardens".

The guest speaker at graduation will be Mr. Robert O. Small of Beverly, president of the National Vocational Association. Mr. Small is also Director of the Massachusetts State Department of Vocational Education.

M. E. C. and B. S.

RED CROSS WORK

This year a new feature has been introduced into the Homemaking program. It is the carrying on of Red Cross work in the Junior and Senior clothing classes. Mrs. Allen W. Clark, head of the Red Cross work in Danvers, suggested the plan to Mrs. Dunn, who took a major part in Red Cross work last year and now at the end of the first quarter the Homemaking Department has some well-made garments for its contribution. Under Mrs. Clapp, the Junior girls have made a number of black sateen aprons, peasant style, for French refugee children. The Senior girls under Mrs. Dunn worked on wool dresses and have turned out some trim-looking brown and green shirtwaisters with colorful trimmings and embroidery.

It is hoped that as the year progresses extensive Red Cross work will be fitted into the school program, for all are willing to work for such a worthy cause. All the girls are looking forward to the exhibit which will be held in Danvers in the near future.

M. K. and D. D.

AWARDS FOR GOURD EXHIBIT

Mary Carey '41 of North Andover arranged a tray of gourds at the Annual Fall Flower Show in the Agricultural Building. She received as award for this arrangement of gourds a first prize blue ribbon.

Later she also received an award from the New England Gourd Society, which was a check for three dollars.

R. A.

A VISIT TO HOOD'S

On October 23, the Junior girls were guests of H. P. Hood and Sons' milk plant in Charlestown. Mrs. Hanaford received the girls and took them through the plant.

The girls first visited the Certified milk department and were told that all milk, in order to be labeled "Certified", must be double capped in sterilized bottles, it must have gone through a "Vitamin D" process. This is done by allowing the milk to travel at a very high speed past a violet ray which gives it its vitamin D.

Next they visited the Supertest laboratory where the bacterial count of milk is recorded and formulas for babies are put up. Every shipment of milk used for "Certified" milk must be tested for its bacterial count. Each guest was presented with a jar of Hood's milk to drink while viewing the work carried on in the laboratory. On entering the next room they saw large tanks where milk is received into the plant.

The cream cheese and Hoodsread preparation came next. One large vat contained cream cheese which was being prepared for ripening which takes twenty-four hours. Another vat contained all ready-made cheese. The workers were taking the cheese from the vat and placing it in cheese cloth bags to remove the excess water.

Soon they came to a window through which they viewed packing of butter. The workers in this division wore gloves but also have to be examined by a physician often.

The bottling of the Hoodsread came next. That is done in much the same way as the bottles of milk are filled and capped. One machine fills the jars and they are carried to be capped and then sent through a small slide door into a refrigerator.

The girls were next taken to a platform to view the washing, filling, capping, and packing of the bottles which is done in one operation.

The bottles go through seven different water, three washings, and four rinsings. The washing time is twenty-two minutes.

On leaving the washing unit they go along a runway and are filled and soon afterwards capped, a little farther along the way they are packed in cases. The cases have been through three steam baths. The milk in the cases then goes into a refrigerator ready to be shipped to stores and homes. Ninety bottles are filled in a minute.

The milk is pasteurized in a very large vat in which it is heated to a temperature of 143 degrees F. for thirty-three minutes. A valve on the pipe leaving the vat is regulated for the purpose of testing the temperature of the milk as it leaves the vat. If the milk is not at the temperature of pasteurization it is automatically returned to the vat where it receives the proper heating to kill the tuberculosis, diphtheria and typhoid germs.

IMPROVEMENTS AROUND HOMEMAKING BUILDING

During the summer, the classrooms in the Homemaking Building were painted.

Each year it has been the custom of the graduating class to present the school with a sidewalk. The 1940 Class gift is the walk at the rear of the building. This is really a great improvement because it saves the grass from being trodden on.

Flower beds were planted at the side of the road by the tennis courts and these add to the attractiveness of that part of the campus.

B. M.

AMHERST TRIP

On Friday, November 1, a group of Essex Aggie students made the trip to Mass. State College to participate in the regular inter-scholastic judging program. Judging contests were held Friday afternoon and Saturday morning, with the results announced Saturday afternoon.

An F. F. A. banquet and meeting of the delegates was held Friday evening, with four of our students being presented State Farmers degrees.

The Essex Aggie floriculture team won the cup with Robert Bertram placing first in individual honors. Victor LaBranche took two gold medals winning high honors in Livestock and Milk judging. Henry Britton took first place in fruit, and Harold Matses a first in poultry. He was also awarded a book for judging poultry for production.

V. LaB.

B. M.

ARMISTICE DAY PROGRAM

On Friday, November 8, an assembly was held in the Homemaking Department, with the High School Graduates in charge. An Armistice program was given and Evelyn McCann of Lawrence was in charge.

It opened with a Salute to the Flag.

"Why We Observe Armistice Day" written and read by Margaret Kennedy of Lawrence.

"In Flander's Field" by Betty Maxner of Beverly.

"God Bless America" was sung by Mary Carey of North Andover.

"Two Silences", by Dorothy Daly of Lawrence.

"Lest We Forget" by Isabelle Weed of Lynn.

The program closed with the singing of "The Star Spangled Banner."

L. B.

The milk is then run in a thin film over very cold pipes to cool it quickly.

Cream is pasteurized in the same way that milk is.

Only a student who has participated in a trip of this kind can fully appreciate the value of it.

R. H.

KNUTE ROCKNE

October 25 was Knute Rockne Day at Essex Aggie. Mr. James Dooley of North Andover, gave a fine talk in assembly about Mr. Rockne.

Knute Rockne was assistant coach when Mr. Dooley went to Notre Dame as a Freshmen. When Christmas came Dooley and three other boys stayed at the University instead of going home. Knute Rockne saw them and invited them to his home. Mrs. Rockne had a good old fashioned Christmas dinner with all the fixings for the boys. This was in 1917.

Soon some of the boys had to go to training camp and Knute went along with them. They were sent to different parts of the country. In 1919 the boys were out of the army and some came back to the University. Knute Rockne came back and became head coach of Notre Dame. One day Knute came to Mr. Dooley and said he needed guards in the worst way. Mr. Dooley liked being a back on account of carrying the ball but he became a guard.

Dooley was guard the next year too, although he hated it. Knute taught them the importance of their work. He would scold them but he did it so as not to hurt their feelings. During the week he would keep them in trim and then on Saturday they would work hard to win the game. He never used profane language. He believed in complete training.

One day he told the boys they had a hard game with Nebraska. He had taught the boys a good play to use in this game. A fellow named George Gipp was on his death bed, wrote and told Rockne to beat Nebraska. Rockne told the boys to win one game for Gipp and they did. Knute Rockne died in an airplane crash.

L. S.

SAFETY CONSCIOUS

In an Agricultural School of this type students range in age from fourteen to twenty years. The new students are unfamiliar with farm work and do not understand the habits of animals and do not know how to operate farm machinery.

The older students, who have become familiar with farm machinery, could teach these younger farmers the proper methods of handling animals and equipment for safety's sake.

In their first year at E. C. A. S. freshmen are quite playful and do not think of the accidents which may be caused by fooling with animals or farm machinery.

For your own safety and that of your fellow students, do not try to play and work at the same time. Take your work seriously and prevent accidents that you may be sorry for later in life.

D. M.

WINTER CARE OF GARDENS AND PLANTS

In our New England States we have winters when the temperature is quite steady, it gets very cold at times but there are no sudden changes from very cold to very warm, and there is a cover of snow on the soil most of the time which prevents frost from going too deep.

There are no showers or light, wet snows followed by hot sun to burn the new evergreen foliage. These are good winters and our plants are ready to start as soon as the soil warms in spring.

Too much snow restricts feeding ability of mice and rabbits and they will girdle or take the tops from many plants.

The changeable winters when half the week finds soil sloppy mud and the other half frozen solid causes much heaving out and tearing loose of plants more especially on soils rich in clay where expansion and contraction of soil is greatest during these changes.

Evergreens as Rhododendrons and Arborvitae are injured most by drying winds of March and early April when soil in frozen hard around roots and they cannot send up enough water to replace that taken from leaves by wind.

If the soil goes into winter well filled with water, is covered by a good mulch and this kept well covered by snow plants survive very well.

Mulch is very valuable to preserve soil water, regulate rapidity of change of soil temperature and reduce depth of freezing. Do not apply coarse mulch too early to harbor mice.

Perennial gardens should be cleaned of dead tops to remove insects, their eggs, and disease spores.

Only those perennials which go into winter with leaves above ground require protection, some of these are Geum, Canterbury Bell, Anchusa, Foxglove, Hollyhock, they should have peat moss crushed leaves, salt hay placed under their leaves to keep them from being frozen to soil surface and perhaps a light cover over surface, salt hay or evergreen branches. Well rotted stable manure over soil between rows will always help.

Delphinium crowns are sometimes given a cover of coal ashes. Lillies are benefited by a heavy leaf cover put on after soil is frozen.

Vines and espaliered fruit trees growing against a Southern or western wall should have a late winter burlap cover to prevent buds starting too early.

Hybrid T. and Hybrid perpetual roses can safely be carried through by mounding soil around the plant stems eight to ten inches covering the lower six buds, bring soil in rather than dig holes. After this is frozen solid and mice have found their winter homes add leaves or evergreens around tops above mounds. Remove

the cover gradually in the spring exposing a part of the plant at a time.

Standard roses should be loosened at root laid down on soil surface and mounded over with soil.

Rhododendrons enjoy a mulch of leaves over their roots. Do not attempt to dig this mulch into soil in spring as roots are very near the surface and will be injured.

Wind protection is most necessary from February 15 on when the drying winds take more moisture from the leaves than roots can possibly get from soil.

Result Rhododendron leaves or only portions of the leaf especially outer margins turn a leathery brown color.

Japanese flowering cherries and peaches should have a leaf mulch over their roots.

Flowering shrubs as Abelia, Daphne, Boxwood which are really at home in the South will do well with us if evergreen branches are placed over their tops from February on.

Near salt water all evergreen plants must be protected against wind carried salt spray, tight board shelters are most effective.

If southern plants are to be grown they must be protected by wooden shells filled with leaves, these are not attractive and I would let the South have this type of plant.

A well cared for and especially well fed lawn not mowed too late so it has a fair growth of grass needs no protection certainly it does not need a cover of barnyard manure.

See to it that your plants go into the winter well fed, well grown and the soil has plenty of water for them. Cover those parts above ground that carry leaves with evergreen branches during February and March and you have done your part.

C. S. Wright,
Ornamental Horticulture

GOALS OF A 4-H CLUB MEMBER

1. To make my best better.
2. To show good sportsmanship in both winning and losing.
3. To be true at all times to the 4-H club pledge.
4. To learn to appreciate the best in music, art, and literature.
5. To render service whenever there is an opportunity.

"I will prepare myself so that if the opportunity comes, I will be able to meet it."

NEW D. H. I. A. SUPERVISOR

Horace B. Wildes of Little Compton, Rhode Island has been appointed recently as Supervisor of the Essex County Dairy Herd Improvement Association. He was formerly a Dartmouth, Mass. boy and was brought up on a farm. He attended Mass. State College for three years specializing in Animal Husbandry and cattle judging.

GARDEN CHAT

Have you taken care of your hot-bed plans for another year? One can expect the ground to be frozen anytime now, and then it may be too late to establish such beds.

Select a sheltered spot away from the prevailing winds; such as on the south side of a barn, hedge, or what not, to build one's hotbed. The back plank should be 12-14 inches above the ground and the front plank about 9-10 inches, making a drop of 3-4 inches for the sash towards the south side. The outside of the planks should be banked up with soil or straw manure in good shape so as to keep out the cold. The inside of the bed should be filled right to the top with leaves, straw manure, etc., to keep the frost from working down into the soil.

This material on the inside of the bed can be removed in the late winter when you are ready to use the bed, and one should find the soil in good condition to work. The ends of the bed should have a wider plank, or at least one protruding above the height of the back or front planks, so as to prevent the sash from slipping off when tilted up for ventilation purposes. The ends likewise should be banked on the outside as well as back and front. Spreader boards or plank should be used every few sash to keep the planks from spreading.

The Essex County Vegetable Growers have started their winter series of meetings, the first one was on November 13, and they plan to hold meetings on the second Wednesday of each month. If you are interested in hearing speakers on different vegetable subjects, why not join the group at the School at their regular meetings.

It has been reported that Essex County has a very large crop of winter carrots; some 175,000 bushel. Probably 75,000 bushel of this yield is a surplus over the average crop. Why not use more carrots in your menus; such as, in soups, in salads, as a main vegetable dish, and there are even several ways of serving carrots in your desserts. Carrots are high in vitamins and it has often been said that they are good for the complexion.

Let's become carrot conscious — talk more about our native carrots, and eat more native carrots. (They have more quality than the shipped-in vegetable.)

C. M. Stearns

ALUMNI NOTES

Helen Rogers from Lynn, Class of '33 was married to Dr. Cornelius Curley at the Sacred Heart Church in Lynn during the past month. They will reside at 73 Lawrence Avenue, Lynn.

Patricia Kelleher of Beverly, Class of '40 has gone into training at the Malden Hospital.



4 - H CLUB NOTES



HEALTH "H"

"Safety in the Home" is the health slogan for Massachusetts 4-H members during 1940-41. More than 31,000 persons are killed in home accidents each year because of neglect or carelessness.

Let's be safety conscious this year! Here are a few suggestions which may help you in planning your program of 4-H meetings.

October—How Safe is My Home?

November—Preventing Falls.

December—Be Prepared for Emergencies.

January—My Responsibility on the Highway.

February—Fighting Home Fires.

March—Use of Electrical Equipment at Home.

April—Farm Machinery and Buildings.

May—Report of Things Done at Home to Help Prevent Accidents.

June, July, August—Outdoor Activities Around My Home.

RURAL YOUTH SURVEY

A comprehensive survey will be made of all youths 16 to 25 in West Newbury and Newbury, to aid in the fine work of the Rural Policy committee of the County.

This survey will be conducted by the 4-H Service Club in Essex County and will be based on the resources, opportunity and desires of these older young people.

Young people are trying to get ahead. Each one has special abilities, ordinary likes and dislikes, hopes and ambitions. Older people, including the Town and County Rural Policy Committee are working to provide young people with the opportunity of reaching their highest level of achievement. This questionnaire is for the purpose of getting the opinion of the young people of their own situation. This is the first attempt to aid this group of young people and it is hoped to get a clear cut picture of the problems of these young people through this survey.

4-H DAIRY NOTES

The first 4-H County-wide dairy-meeting will be held on November 21. All dairy club members and prospective club members are expected to be present. All record books are due at this meeting and pins will be awarded. The election of officers will take place at this meeting. Mr. Harley A. Leland, Asst. State Club leader will be present to speak to the members and to give the Dairy questionnaire which was taken a year ago by some of the members.

THANKSGIVING AND CHRISTMAS TABLE DECORATION

(Suggested by Miss Tena Bishop)

For Thanksgiving—Take a large green squash, scoop out the center and fill it with fruits or vegetables for the center of the table. Favors might be half walnut shells filled with paraffin and a little sail on a toothpick put in the paraffin. Thanksgiving turkeys can be made by using an apple as the body and having a head and tail made of cardboard which has color put on with wax crayons. Turkeys can also be made, using large cones and having head and legs made of pipe cleaners. The tail can be made of brown paper.

For Christmas the same type of decoration can be used for the center of the table as for Thanksgiving. Another idea might be used, a mirror, in the center of the table, making a snow bank of cotton and having figures skating or skiing on the snow. The skating figures can be made, using unusual shaped peanuts and making legs of pipe cleaners and skates of cardboard. Apples used as candle holders would also be appropriate for Christmas. A Santa Claus apple would also be rather nice to use for center of the table. Attractive corsages as favors could be made by covering red candies with cellophane and using some green leaves.

Queer-shaped vegetables, gum drops, and marshmallows, can be quickly converted into attractive and amusing favors, with the help of toothpicks, cardboard, lolly pop sticks, pipe cleaners, and pieces of colored paper. Cones, leaves, twigs, and pine needles can also be used to make a variety of animals, dolls, and other figures. A little experimenting will provide a lot of fun and an attractive holiday table.

SALT FOR SAVOR

A. A. Applegate

(Agricultural Leaders' Digest)

Good cooks, they say, are known by their judicious use of seasonings. Of all the seasonings, one of Michigan's mined projects, salt, is the most important.

Even when salt is not listed among the ingredients, the good cook adds a little, anyway. For salt improves the flavor not only for practically all vegetables, cereals, meats, nuts and eggs, but of some fruits, candies and beverages as well.

Here are some salt usages suggested by the extension service in home economics of Michigan State College.

Vegetables are cooked in water that is lightly salted from the beginning. When frying or broiling meat, salt should be added after cooking,

ANNUAL LEADERS' MEETING

The eleventh Annual Local Leaders' Meeting is planned for November 12 at the Essex County Agricultural School. More than 75 local leaders, town committee members and others will be present.

Miss Marion Forbes, Asst. State Club Leader will represent the State Office.

Mr. Lester D. Friend of the Camp Leslie Trustees will be the main speaker.

This meeting starts a new year in 4-H Club work here in the County. A new system of 4-H Club organization is being planned that will organize 4-H Clubs in every community in the County and bring to the boys and girls an opportunity to do worthwhile things in their spare time.

Miss Tena Bishop, assistant State Club Leader, visited leaders of food clubs on Thursday, Nov. 7, to help with club plans and problems.

Many Clubs have already organized for the coming year.

On the records so far is a total of 36 girls' clubs, divided into 23 clothing, 4 Food, 3 Home Furnishing, 5 Big Sister and 1 music.

Additional clubs will be organized this coming month.

since it tends to draw out the juices of the meat. But a meat roast can lose very little juice this way because the proportion of exposed surface is comparatively small. So a roast may be salted before it goes into the oven.

Foods such as cornstarch puddings, cooked cereals and breads need a bit of salt to bring out the bland flavor of the starch. In a recipe for yeast bread, this amounts to about 1-2 a teaspoonful to a cup of flour. For biscuits, about 1-3 teaspoonful to a cup of flour; for muffins and griddle cakes slightly less. The standard amount of salt to use in cooked cereals like rice, oatmeal or corn meal is 1 teaspoonful to a quart of water.

Skilful cooks add a few grains of salt to cooked fruits and fruit drinks, cocoa, milk shakes and other beverages. Because salt seems to make "sweet things sweeter", it should always be included in candies, cakes, ice creams and sweet desserts. Sometimes the cake shortening contains salt. If not, from 1-4 to 1-2 teaspoon of salt is enough for the ordinary cake recipe calling for one to two cups of sugar.

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Steamed Puddings

An old fashioned New England winter gives us an appetite for steamed puddings. They are a very convenient dessert since they may be made days before time for serving. Two popular kinds of puddings are Suet and Chocolate. The particular recipes which follow have been handed down from the old Flint Family of Peabody.

Steamed Suet Pudding

- 1 cup raisins (seedless)
- 1 cup chopped suet
- 1 cup molasses
- 1 cup milk
- 2 cups flour (pastry)
- 1 teaspoon cloves
- $\frac{1}{4}$ teaspoon nutmeg
- 1 teaspoon soda
- $\frac{1}{4}$ teaspoon salt

Mix soda with milk, mix two tablespoons of flour with raisins. Combine raisins, suet, molasses and add sifted flour, spices and salt. Beat thoroughly. Fill a greased mold two-thirds full, cover securely and steam three hours. Serve hot with sauce.

Some steamed chocolate puddings do not hold their shape well when removed from the mold, but the following recipe is guaranteed to behave properly.

Steamed Chocolate Pudding

- 2 tablespoons butter
- $\frac{1}{2}$ cups sugar
- $\frac{1}{2}$ cups milk
- 3 cups flour (pastry)
- $\frac{1}{2}$ teaspoons baking powder
- 3 squares melted chocolate
- $\frac{1}{4}$ teaspoon salt

Cream the butter add the sugar gradually; add the sifted dry ingredients alternately with the milk stirring constantly. Add melted chocolate mix thoroughly. Steam in a well greased mold two hours or until pudding is firm. Serve hot with sauce.

Steamed Pudding Sauce

- $\frac{1}{2}$ cup hot water
- 2 teaspoons bread flour
- 1 cup sugar
- $\frac{1}{3}$ cup butter

1. Cream the butter and add the sugar gradually—Chill this butter and sugar mixture.

2. To two teaspoons of bread flour add a small amount of cold water to make a thin paste. Add this to one half cup hot water. Bring to boiling point stirring constantly and cook until of the consistency of heavy cream. Chill.

3. At time of serving pudding combine mixture one and two, stirring slightly. It should have a lumpy appearance.

Harriet M. Butman,
Instructor of Foods

The First Christmas Message

The angels song was "Peace on earth to men of good will."

Evidently there are many today who are not "of good will" for there seems to be little peace over the world as a whole. Let us thank God for the measure we have in our own country still.

Yet there is the testimony of millions who individually have found the peace which the Savior came to proclaim: Let us rejoice in that fact also.

May I express to all the friends of the School—to all who read this note—the hope that His Peace may abound in your hearts and homes this Christmas Season.

Harold A. Mostrom,
Director

CULTURE IN THE RURAL HOME AND COMMUNITY

(Report of Study in Massachusetts, compiled by the Eleven County Advisory Councils in Massachusetts).

Culture may be defined as a sincere desire for improvement. Emerson, a truly New England philosopher, said of culture, "Courage to be what we are, love for what is simple and beautiful—these and the wish to serve." Culture is bound up in our attitude toward life. It is ability to adapt one's self to life mentally, physically and emotionally. We may think of culture as enlightenment and discipline acquired by mental and moral training. It may be recognized by one's appreciation of the true and beautiful as they are found in personalities, in art, in nature and in religion.

Rural people in Massachusetts are working the cultural soil as well as the natural soil. Their plows are libraries, radios, schools, churches, study groups and musical gatherings. Some of the more definite evidences of the use of these plows are the music center in Berkshire County, splendid use of the library for foreign population in New Bedford, children's story hour in Essex County, preserving places of especial beauty and historical interest and making them accessible in Hampshire County.

Obstacles to culture may become stepping stones and were recognized as such in most cases where listed. Culture helps to create a desire for better and higher things in life. After the desire comes reality.

(Continued on page 2, col. 1)

New Alumni Officers

At the annual meeting of the Alumni Association on Graduation night, November 26, the following were elected to office. Roger Lewis as President, later he withdrew so the one with the next number of votes was elected, he was Joseph Cassano, '20; Vice-President from the Agricultural Department, Howard Wilson, '38; Vice-President from the Home-making Department, Elvira Broughton, a member of the class of '31; for Secretary-Treasurer there was a tie between Helen Andrews Bergstrom and her husband Eric Bergstrom, Mrs. Bergstrom declined in her husband's favor. A member of the Executive Board for three years, Arnold J. Hebert, who is President of the Class of 1940.

The proposed Amendment changes were adopted: Article 1. To see if the Association will amend Article IV of the Constitution to include a Finance Committee, the duties of this committee would be to control the expenditures of all monies of the Association, with the power to approve all monies voted at regular or special meetings. This board will also make up a budget covering the organization activities for each year and control special funds which may be raised for specific purposes.

Mr. Grey moved that the Finance committee be made up of the three members of the Executive Board, also the Secretary-Treasurer. It was so voted.

Article 2. To see if the Association will amend the Constitution to provide a Policy committee. This committee would consider all proposed activities of the School and the Alumni Association and establish a policy for the Alumni Association to act on in each case.

Llewellyn Jones moved that a committee of five be appointed. One for one year, one for two years and one for three years, etc. and one new member be appointed each year. This committee to be appointed by the incoming president. It was so voted.

Article 3. Change in Annual meeting date. To see if the Association would prefer to have the Annual meeting on a different date than the banquet and dance.

Llewellyn Jones moved that the new officers set the date of the meeting before graduation. Mr. Grey moved that notification of meetings should be sent out to all graduates for five years back and only to those beyond that date who had paid their dues. It was so voted.

(Continued one page 2, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

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CULTURE IN THE RURAL HOME AND COMMUNITY

(Continued from page 1, col. 2)

Culture comes to individuals and to communities through breadth of experiences with situations and with people, but only when these experiences develop toleration, sympathy and understanding. Culture shows itself in the self-disciplined thought and action which puts aside personal desires when they conflict with the general good.

Cultural activities widen our interests. They help us make new friends and make us more interesting to ourselves and to others. Then we become a greater influence for good in our community.

The above is part of Mrs. Olson's report that she gave on December 6 at the meeting of the Massachusetts Home Demonstration Council meeting held in Worcester. Five others from Essex County attended the meeting; they were Miss Marion Parker, Mrs. James McNiff, Mrs. Mary M. McIntire, Mrs. Charles Reynolds and Miss Madeleine R. Torrey.

Mrs. Olson also gave a report of her trip to Purdue as delegate from Massachusetts, to the National Council meeting.

FUN IN THE FAMILY

Are you growing old without fun?
Have you acquired the habit of fun-making?

If not, why not, before it is too late? Why not begin in your own family?

In the days when families of five, seven and nine children were not a rarity, social development was then taken care of within the home with little or no planning.

Social development means that aspect of personality which has to do with relations with others and what better place can be thought of for this purpose than the family group.

A child's greatest social need is for brothers and sisters. With these to help as teachers, nurses, and playmates social development is furthered enormously.

Old people need the play habit: to give themselves up to sheer fun for fun is essential to the well-rounded personality. It has power to recreate physically, intellectually, and emotionally. It can also be profitable.

Here again the family group can be employed, either in the capacity of audience, or critics for we are not over self-conscious with our closest relations and therefore our first impulses of fun making for others can be indulged in within the family circle.

Take hobbies for example. They are fun plus. Whether they satisfy a very natural desire to make or create something or merely supply that inner satisfaction one experiences when his own interests and experiences come up for attention, they are certainly profitable.

During these days when the idea of defense and preparedness seems upper-most in the minds of our nation's leaders, why can't we in the family circle return to the hobbies of by-gone days for our fun? Sewing or knitting for ourselves for Christmas giving, or best of all for our committee on defense programs.

Our local Red Cross Chapters are supplying materials needed for infant sets which include sweaters, bonnets and booties of pretty pink and blue yarn; little home made outing flannel socks, nighties, pajamas, and layettes, bibs, aprons trimmed with ricrac or even patch-work quilts. This sort of fun can be most beneficial to those who indulge in it, for besides helping others we are most of all helping ourselves to happiness.

"Not what we give, but what we share,

For the gift without the giver is bare.
Who shares with another's need, feeds three,

Himself, his hungry neighbor, and me."

(by James Russell Lowell)

Mary E. Roundy, R. N.

SPRAYED HOLLY LEAVES STICK TIGHT

Christmas holly that is shatter-proof—with leaves and berries that stick tight in transit and last longer in wreaths and sprays—is possible now as a result of U. S. Department of Agriculture studies of uses of the "growth regulating" chemicals.

These growth-regulating substances were first used several years ago when it was found that these chemicals, sometimes called plant hormones, promote root formation in cuttings. Bureau of Plant Industry scientists last year proved that growth substances also prevent the dropping of leaves, fruit, or flowers from plants and trees. A practical application is the spraying of apple trees to prevent fruits from dropping before they have matured and colored. The scientists had previously discovered that growth substances applied while holly is in bloom cause it to set the red berries without pollination. This proved a practical aid to greenhouse men growing small holly plants in pots for the Christmas trade.

Oregon Experiment Station horticulturists, working recently along the same lines are the Federal Bureau, suggest still another use for plant hormones. They report that spraying or dipping cut holly in a weak solution of naphthalene acetic acid prevents the leaves and berries from dropping off during shipment. Almost unbelievably small quantities of the chemicals are effective. A spray of only one-half teaspoonful of chemical to 100 gallons of water prevents apple drop, the Bureau found. The Oregon station reports that holly sprayed with only 1 part of naphthalene acetic acid to 10,000 parts of water kept for several weeks without shedding leaves. So, though the chemicals are expensive, only a very small quantity is needed, and shippers can "shatter-proof" their holly at light expense.

NEW ALUMNI OFFICERS

(Continued from page 1, col. 3)

Mr. Cassano the newly elected president spoke and pledged himself to a banner year for the Alumni Association and said that he was extremely interested in the Association and would do all in his power to uphold the office of President.

Mr. Grey gave a last word stating that with this new activity of an industrial school being talked of in this county and possibly at this school that we should see to it that the identity of the Agricultural School is not lost. He said that there is great support for this school throughout the County and it is apt to become a reality. The Agricultural school has stood for 27 years and if the industrial school should come here we want to keep the Essex County Agricultural School intact in name and purpose.

H. J. Shute, Sec.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

DECEMBER, 1940

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanor Gray '41	Marblehead
Rita Hitchcock '41	Danvers
Margaret Kennedy '41	Lawrence
Betty Maxner '41	Beverly
Ruth Maxwell '42	Lynn
Bessie Pearson '42	Byfield
June Porst '41	Methuen
Lucy Tela '41	Lawrence
Priscilla Wilkins '41	Beverly

Agricultural Department

Donald Martin '41	Salem
Victor LaBranche '41	Haverhill
Burton Smith '41	Haverhill
William Hocter '41	Middleton
Walter Pike '41	Andover
Eugene Cobb '41	Georgetown
Austin Shorten '41	Groveland
Donald Aldrich '41	Beverly
Forest Reynolds '41	Amesbury
Robert Jackson '41	Methuen
John Adams '41	Georgetown
Edmund Richards '41	Wenham
Joseph Scouller '41	Lynn

STUDENT EDITORS

The 4-B division is receiving excellent practice in news writing this year. They have been chosen to furnish the Essex Farmer and Homemaker with news articles, notices and reports of meetings which take place in the Agricultural Department.

The list of student editors will be found above.

W. P.

"AT HOMES"

The Homemaking Department held an "At Home" on December 3 and again on December 5. Mothers and friends of senior and high school girls were invited to come on the first date, while mothers of the juniors and freshmen girls were invited to come on the latter date. A small exhibit of art, home project, Red Cross dresses, science, academic work, and food books were on display in the assembly hall. The guests were escorted around the building by students. Later the guests enjoyed a formal tea with members of the student body serving. The mothers had a chance to meet the teachers and see the students at their classroom work.

J. P.

JOINT ASSEMBLY

The first Joint Assembly of the year was held on December 4th in the Agricultural Building. The school orchestra played an opening selection. Director Mostrom introduced the speaker Mr. Simeon Oliver, better known as "Nutchuk" native Alaskan Eskimo. Mr. Oliver favored the students with stories and incidents of his home in the Aleutian Islands in Alaska. Later he played a few folk tunes on the piano. The songs were: "A Lullaby," a "Christmas Carol" and "An Eskimo Festival Dance". After this the interested audience was shown some slides of Alaska. A moving picture based on the whaling industry in Alaska was also shown. At the close of the assembly the orchestra played for the students as they marched out.

P. W. and F. R.

RED CROSS PROJECT

The Senior A Division in clothing completed their woolen dresses for the Red Cross on November 22, under the supervision of Miss McJunkin.

The dresses were made of green and brown woolen dress goods. One group of dresses was made from the same pattern and trimmings were put on, and another group of dresses using a different pattern had embroidery on them.

One of the girls in the Senior B division, made a child's wool coat instead of a dress.

From December three through five these dresses were exhibited in the Homemaking Department Assembly Hall. We believe that these dresses will be shipped on a Christmas ship to the European children.

L. B.

ECHO CLUB NOTES

On Wednesday, November 13, the Executive Board of the Echo Club met and voted to send ten dollars to the Red Cross. The Board also voted to pay three dollars, which are the dues for the State and National Home Economics Associations.

On Monday, December 16, Mrs. Helena Corbett, the former Miss Helena Cronin, gave Christmas readings. Mrs. Corbett was formerly a teacher of English and had charge of the dramatic and debating clubs in the Beverly High School. At present Mrs. Corbett has charge of the public story hour in Beverly.

R. A.

GIFTS AND TOYS

With thoughts of Christmas come thoughts of lovely presents and surprises of all sorts—gifts for older people to lighten their humdrum lives, toys of all kinds and description for small tots with innocent faces. Of all these gifts and toys the homemade ones are best, because they entail a certain amount of self sacrifice. The girls of the Homemaking department are doing their part for this year they are gladdening many lives with the results of their home projects. Luncheon sets, pillow cases, stuffed animals, babies' bibs and many other knitted garments and accessories will grace Christmas trees all over the county and cheer many hearts.

D. D.

GREEN AND WHITE

The beginning of the Thanksgiving recess marked the advent of the "Green and White", the school magazine, for the year 1940-41. Judging from current comments, the issue has been most favorably received. Little wonder at its success, when we take into consideration the work, the effort, spirit, and cooperation put into its makeup by the editor Ilene Briggs and her staff. They have indeed proved themselves capable of producing a publication of which the school can be proud.

The cover is different than past ones, instead of the usual Green and White cover it is in Red, White and Blue. No doubt most of you have seen it and join in congratulating Eleanor Ennis of the Junior class who drew the design.

There are many excellent poems, essays in this issue. The other sections of the magazine are Literary, Exchange, Echo Club, F. F. A., Alumni, Sports and Humor.

These students worked hard for the success of this magazine and it is appreciated by all.

M. K. and W. H.

F. F. A. CHRISTMAS PARTY

On December 20, the F. F. A. will hold its annual Christmas party. The Echo Club and members of the Faculty of the Homemaking Department have been invited to attend as guests of the Essex Chapter.

The Essex County, W. P. A. band has been engaged to furnish entertainment for the afternoon.

After the assembly, there will be a dance at which Delma and her Girls' orchestra will furnish the music.

D. M.

A CHRISTMAS STOCKING

St. Nick paid an early visit to the Homemaking Department this year and left no little number of surprises. They probably ought to be reserved for Christmas but here are a few inside tips.

Ruth Adams—a make up kit.
Lila Bullock—a time bomb guaranteed to go off every morning at six o'clock sharp.
Claire Cadorette—an air conditioner to stabilize her temperature.
Mary Carey—an ornate muzzle (Mary has no dog).
Alice Clark—some new pupils at dancing school.
Alice Cormier—a private car.
Dot Daly—a pet thermometer to register enthusiasm.
Dot Dryden—insurance policy against accidents.
Doris Durkee—a lovely lad for a lovely lady, \$50 per week.
Helen Hallock—the 7th lesson from Mme. La Zanga.
Babs Hennigar—an automatic home-work doer.
Marjorie Hollingsworth—more goats.
Margaret Kennedy—a place of refreshments, light and peace and a new joke book.
Marion Leach—a ring, (a very special one) graduation ring.
Gertrude Mungan—a longer period for a special home project.
Isabelle Rabs—one way awnings—the kind that came down.
Helen Strube—an elevator.
Isabelle Weed—an art school scholarship.
Pauline Roy—the ability to giggle solo; we can not hear her.
Florence Cameron—a cook book.
Arlene Crossman—a new siren for Johnson.
Althea Dennet—a megaphone.
Peg Earley—a carton of gum and rubber gloves.
Doris Englehardt—a large sweater pattern to match her needles.
Kay Ganey—a bus with all back seats.
Pauline Gleason—a coat of her own.
Eleanore Gray—more exciting experiences.
Ruth Harvey—Ovaltine.
Laurel Martin—a kitchen without sinks.
Betty Maxner—a nice long pair of stilts.
Eve McCann—a Jug with a bow tie.
Peg Morrissey—a permanent admittance slip.
June Porst—a big red bow for her pet joke.
Mary Regan—a double who knows all the answers.
Ina Stephenson—a new horn.
Lucy Tela—a gilded basketball.
Phyllis Tremblay—a new pair of non-blistering boots.
Virginia Wade—a small instrument requiring her arm motion.
Priscilla Wilkins—a wrinkle remover in case of future disaster.

D. D. and M. K.

BASKETBALL

S. O. S.!!! Support Our Sports

On Monday, December 2nd the Essex Aggies Basketball team reported to Coach Couhig for practice.

Among those who reported were the following Varsity veterans: Robert Conway, Harold Kelley, Robert Landry, Richard Snow and Joseph Scouller. Other members of last year's team were: Wallace Frost, Richard Brown, William Somers and Joseph Manock all of whom show great promise for the coming season.

Among the new members were Joseph Hogan, Henry Harrington, Philip Parker, Francis Pierce and John Ward.

The schedule is not yet complete but Coach Couhig is working to match the boys with some fine clubs. Manager Eugene Burr called for new members as the club is quite small this year and could use some recruits.

Let us eligible members of the student body report for practice right away. Other members can support the team by attending all home games and as many "away" games as possible.

Robert Conway a member of the Class of 1942 has been elected to lead the Aggie football eleven for the 1941 season. Conway plays center position and has been the mainstay of the team the last three years.

HOCKEY

Ralph Wilkins of Beverly and a member of the Class of 1941 has been elected Captain of the Essex Aggie Hockey sextet. Wilkins who is a fast skater and a left hand shot plays a wing position.

P. S. and R. J.

F. F. A. BUDGET

The proposed F. F. A. budget has been acted upon and passed by the Executive Committee.

The members working on the budget were: Robert Landry, President of the F. F. A.; Ray Mizzi, Vice-President; Beverly Sawyer, Secretary; John Ambrefe, Reporter and Victor LaBranche, Robert Conway, Franklin Barlow and Robert Mizzi, class representatives.

The three largest items being the Roadside Stand, Sales Booth and Concessions, and the Cooperative buying and selling committees.

The estimated income and expenses both being well over six thousand dollars with an estimated cash balance of nearly one hundred dollars.

The work of explaining the budget to the Essex Chapter members is to be handled by the Executive Committee.

V. LaB.

NEW FEATURE

Requests have come in to the student editors of the Homemaking department to include in their column recipes which the homemaking students have used in the kitchen and which have proved successful. In complying with this request the editors voted at their last meeting to include one recipe each month. This month they selected a recipe that may be done in several variations. It is an appetizing and wholesome delight, a confection which you will be pleased to offer to your friends and family. Here is your chance to prepare a novel gift box of home-style Divinity Fudge.

Divinity Fudge

2 cups sugar 2-3 cup corn syrup
1-2 cup water
2-3 cup sugar
1-3 cup water
White of 2 eggs
1 teaspoon vanilla
2-3 cup chopped nuts

Put two cups sugar, two thirds cup corn syrup and half a cup of water in saucepan. Put two thirds cup sugar and one third cup of water in another saucepan. Cook contents of first pan to 244 degrees F., or until mixture forms a soft ball when tried in cold water. Twenty minutes after starting this mixture begin cooking contents of second saucepan, and cook to 270 degrees F., or until mixture forms a hard ball when tried in cold water. Beat whites of eggs until stiff, add contents of first saucepan slowly and beat with wooden spoon until stiff. Then slowly add contents of second saucepan, continuing the beating. Add nut meats and vanilla, turn into a buttered pan and cut when cold. Crystallized cherries may be used in place of nuts, cherries cut fine and pistachio nuts make a pretty combination for Christmas although very rich.

Bits of cherries and slivers of citron may be used on the top of every other square in the form of flowers. This is very effective for gift packages.

L. T.

CANDY MAKING

The Homemaking Department is engaged in the making of candy during the Christmas Season.

The girls are being encouraged to carry on this kind of work at home.

The Freshmen are making simple uncooked fondants and fudges. The Juniors are making more difficult candies such as candied fruits, fudge and penuchi. The Seniors and High School Graduates are taking still more intricate lessons in taffy, cooked fondants and Divinity fudge. All classes are given lessons in roasting and preparing nuts.

R. R. H.

ALUMNI NOTES

The following notes contain information regarding a few of the graduates of the Class of 1940 and their present occupations.

Priscilla Cobb is employed at Woolworth's foods counter in Salem.

Kathleen McCarthy is employed as a clerk at Woolworth's in Salem.

Barbara Murray has a position as household assistant to Mrs. Frederick S. Allis, Jr., in Andover.

Amelia Plummer is in training at the Beverly Hospital.

Susan Quimby is working at the Hale Hospital in Haverhill.

Muriel Spinney is employed as a waitress in the Lynn Hospital.

Gwendolyn True is enrolled as a student at Endicott Junior College.

Marjorie White is employed as an assistant cook to Mrs. R. L. Agassiz at Pride's Crossing.

Word was received at the School the other day that Herbert Kirk of the Class of 1930 is now at the State Sanatorium in Glen Gardner, New Jersey. He would be glad to hear from any of his Essex Aggie friends, especially his classmates.

Jack Sturtevant, graduate of Essex Aggie and former Apprentice teacher was a visitor at the School recently. Jack has been appointed to teach in the new Agricultural department at Middleboro High school.

P. M.

GROWING PEANUTS IN THE GREENHOUSE

This past summer season, Virginia Jumbo peanuts were grown in a box in the School Greenhouse as an experiment to see just how a peanut grows.

The peanut is the common name for a tender annual, herbaceous vine, *Arachis hypogaea*, of the Legume Family, and grown in the South for forage and hay, as a soil improver and for its pods. It is sometimes grown in the North as a garden novelty, but they ripen few or no pods unless the season is exceptionally favorable.

The plants will not stand frost and require a long season in which to mature. A sandy loam soil was used and they were grown in the warm house, No. 2, where they grew rapidly.

The showy yellow flowers that appeared were the staminate ones. The productive, pistillate flowers are inconspicuous, after being fertilized they bury themselves in the ground, where the peanut develops.

The peanut is a peculiar plant. An easy and interesting legume to grow in the garden, the plant develops the typical nitrogen bacteria nodules on the roots. The "nuts" are not tubers but seed capsules that grow down into the soil after the flowers fade.

Howard Bacon

WINTER FEEDING

The matter of getting the herd successfully through the next five months is something of a problem. Success depends on keeping the cows healthy and keeping up a normal flow of milk.

If you have had fairly good pasture and plenty of it during the past summer and fall, your animals have probably stored a little extra vitamin A which they got from the carotene in the summer feed. If you have plenty of good grass silage and fine bright hay, it is possible this supply in the cow's body can last well through the season.

I hardly ever go into a barn after haying is done, however, without seeing some good hay and some poor. If you can get at it first it might be well to feed the poor hay now while the animals can take it better than they could in February when they are sure to be a little low at best on their winter supply. Having some of that good summer-like feed to fall back on late in the winter may prevent the cardboard flavored milk and other undesirable things associated with a lack of vitamin A. This is just a theory but it might at least serve to even out the milk flow. The same could apply to rationing silage, rather than feeding out a limited supply at once.

If you try the poor hay first, watch the milk flow and don't let it drop too much, even if it takes a little more grain. By the way, do you know about the milk flow from each cow? I hope you are like the dairyman who said, 'I couldn't stay in the dairy business very long if I didn't have records on my cows'.

Now about the grain. I have been interested in reading an account of some experiments at the Ohio station. They decided there that maybe we were grinding our feed too fine. This is particularly so with feed for young stock. It apparently takes a cow longer to get a very finely ground grain ready to swallow than it does a medium or coarse ground. It takes too long to get it thoroughly moistened. This means something to a cow of good production. She doesn't belong to the labor union and works 11 hours a day just chewing her food before and after first swallowing it. Someone has claimed she moves her jaw 41,630 times daily, and still she doesn't make much noise. It does take about three times as much horse power in the feed mill to grind grain very fine as to get it moderately coarse.

Two other things which don't cost much are water and salt. Water, in liberal amounts, several times a day and not too cold; salt, either free access or a regular handful in addition to that in the grain.

If you use medicated bricks, which are a bit expensive, be sure your

GARDEN CHAT

The Winter months afford an excellent opportunity to reglaze hotbed sash and to get a coat of paint to preserve the wood. Why let this job go until you are ready to use your sash? Why not go over your tools and equipment during the quieter months as well, and replace worn or broken parts, grease and oil all moving parts and paint for preservation purposes parts that weather will deteriorate. How many times as we ride along the highway do we see machinery out in the open fields and it looks in bad shape, rusty and worn. Generally speaking, one can compare the success of a farmer by the way one sees and keeps the equipment that is used on the farm. Poorly kept tools do not aid in carrying on garden work efficiently. Hotbed sash with broken lights of glass do not help the grower in the growing of good plants.

If you are attempting to store carrots, beets, turnips and other roots, you should make a frequent check-up on their keeping conditions. Perhaps they are beginning to shrivel some and if so, you have not had enough moisture present. It would be well for you to add moisture in some way to the room to keep them from drying. Perhaps your carrots, beets, onions, and potatoes have been producing sprouts. If so, you may be keeping the room too warm and therefore you should see that your ventilators are open more, particularly during the cooler periods of weather, so that the temperatures in your storage room are kept lower. Generally speaking the roots and leafy group of vegetables require cool and damp conditions to keep at their best, while squash and onions require dry and cool conditions.

Have you ever attended the Worcester Union Agricultural Meetings in early January? These meetings will be held this year on January 8, 9 and 10, and afford an excellent opportunity for friends to attend profitable lectures and discussions on all agricultural subjects at a time of the year when one is not as busy as during the summer months. Why not plan to take in these meetings this year and get caught up on newer methods of carrying on practices, newer types of equipment, and have some of your problems answered by others who have had some of the same experiences and have solved them profitably.

C. M. Stearns

cows are not hungry for salt when you start putting them out. Otherwise they may go rapidly. I have just another theory, that a lot of good cows don't get quite enough salt.

G. J. Fawcett,
State Extension Animal Husbandman



4 - H CLUB NOTES



METHUEN 4-H AT HOBBY SHOW

Members of the Methuen clothing clubs under the leadership of Mrs. Horace J. Shute and Mrs. Fred Playdon participated in the Annual Hobby Show held last weekend in Methuen. An interesting exhibit was set up representing the 4-H's of club-work.

Shirley Lister and Patricia Maguire represented the Hand H. Shirley worked on Leathercraft, Patricia worked on papercraft and weaving. Jane Duffy, Sylvia Magerison, Barbara Feugill and Norma Quance represented the Head H. They worked at the sewing machine making children's aprons. Isabelle Hume and Barbara Wade represented the Heart H doing Red Cross sewing, and the Health H was displayed through the lunch counter conducted by Mrs. Shuts, and Mrs. Playdon. They were assisted by Mr. Burton Gregg, Warren Page, Margaret Hart, Doris Walker and Constance Playdon. Light lunches were served.

An interesting display of Poultry club work was presented by the poultry club of Saugus and a colorful display of canning by the Beverly clubs.

Miss Ida Davis and Mr. Horace Shute were in charge.

GRADUATION

The twenty-fifth annual graduation was held at the Peabody Institute in Danvers on November 26, with seventy-eight members in the graduating class.

The student speakers were June Agersea who took for her subject "Education for Living"; Dorothy Farnham spoke on "My Summer Project Becomes a Business"; David Irons told of the importance of "Vitamin D" in milk; and Arnold Hebert gave a demonstration of "Soil-less Gardening". Mr. Robert O. Small Director of Vocational Education here in Massachusetts gave a stirring talk to the graduates.

As usual the interest is in the prize awards. Director Mostrom presented the Krasker medals for excellence in English to June Agersea of Saugus and David Irons of Salem; the Roger Wheaton award went to Charles Currier of Middleton and the Balfour awards which are given for outstanding work in scholarship, loyalty and achievement were given to Mary Maklae of Peabody and Arnold Hebert of Saugus. Eric Bergstrom president of the Alumni association presented the Alumni awards to Louise Leach of Peabody and Robert Nichols of Lynn.

GROVELAND POULTRY BREEDER DONATES CHICKS

The State 4-H Egg Show will be held at the Union Agricultural meeting in Worcester January 8, 9, and 10.

In addition to cash prizes and a plaque awarded for the best five dozen eggs from a county, 25 baby chicks from one breeder in each county will be awarded for the best dozen eggs exhibited by a 4-H club member from that county, providing each county has five dozen eggs exhibited.

Mr. Homer Rowell of Groveland is the donor of the chicks from Essex County.

If any club member wishes to exhibit, contact your County Club Agent, Horace J. Shute for application blanks.

All eggs must be in Worcester by TUESDAY NOON January 7, and after the show become the property of the State Poultry Federation which sponsors the show.

Transportation for eggs will be provided.

Warren Page

HONOR ROLL

The names of the girls on the honor roll for the first quarter are Seniors: Dorothy Bozek, Ilene Briggs, Reina Gumb; Juniors: Ruth Karlson; High School Graduates: Ruth Adams, Lila Bullock, Dorothy Daly, Eleanor Gray, Margaret Kennedy, Marion Leach, Pauline Roy, Lucy Tela, Isabelle Wood.

Those from the Agricultural Department are Seniors: Howard Bacon, Harold Jones, Peter Venti, Wallace Kneeland, Victor LaBranche, Donald Martin, Joseph Scouler, John Ambrefe, Preston Lee, Harold Pierce, Henry Lay, Henry Britton, John Coskery, Alden Moreland, Ralph Wilkins, John Adams, Eugene Cobb, William Hocter, Robert Jackson, Walter Pike, Forest Reynolds, Edmund Richard, Burton Smith, Nelson McLoon, George Banks, Warren Brown, and Robert Landry.

Juniors: Ralph Reynolds, Christie Melkas, Beverly Sawyer, Ray Mizzi, Robert Conway, Donald Snow, Robert Bradbrook, Robert Anderson, William Hawkes, Edward Lynch, Harold Raynor, Richard Brown, and George Hoffman.

Sophomores: James Boardman, James Bezanson, Franklin Barlow, Albert Russell, Raymond Barlow, Albert Frederick, James Anderson, Theodore Dichirico, Gilbert Fournier.

Three Year Freshmen: Kimon Bournazos, Priscilla Glines, Joseph Hogan, Donald Knott, Richard Oul-

4-H SERVICE CLUB BANQUET

The Sixth Annual 4-H Service Club Banquet will be held at the Essex County Agricultural School Home-making building on Saturday Evening, January 11 at 6.30 o'clock.

This Banquet is in honor of Five Year 4-H Club members and all who have completed their fifth year in clubwork in 1940 will be guests of the evening.

An elaborate program is being planned which includes: a turkey banquet; guest speakers; representatives from the State College; awarding of fifth year (national) pins and will be topped off with a minstrel show and dance.

All club members and friends are invited to come and make this year's banquet another memorable occasion.

Warren Page

STOP, LOOK AND REMEMBER

You the students of our own Essex Aggie, take time off some day from your campus frolics and stop, look and I am sure you will always remember what you see. I am sure no school in Switzerland or any other country has a more perfect location. We are indeed fortunate to have the privilege of attending a school where our health is so well protected by our kindly teachers and natural environment. As we stop and look we can see hills, valleys, streams and woodland over which blow New England's breezes. We see fertile fields, beautifully tended crops growing orchards of health well-pruned trees and shrubs. All this makes a beautiful and peaceful view, and in the winter all is peacefully covered with a blanket of snow. In years to come when we take our various jobs in the world of strife and trouble nothing should take these memories from us. So, students, please do Stop, Look and Remember.

M. E. C.

ton, Joseph Roach, Douglas Wheeler, Richard White, Anthony Allen, Norman Cobb, Franklin Dodge, John Dwinell, Paul Eagan, Dorothy Gourley, Frederick Hardy, Richard Harrington, William Herrick, Donald Hill, Paul Kent, Edward Little, Joseph Sammartano, and John Ward.

Freshmen: Erik Haugard, Stanley Nelson, William Peaslee, and Charles Spiliotes.

M. E. C. and E. R.

ESSEX FARMER AND HOME MAKER

VOL. 23

HATHORNE, MASS., JANUARY, 1941

NO. 1

Boston Market Gardeners Association

The Boston Market Gardeners met at the School on Saturday, January 11. Following the luncheon and business meeting F. A. Raymaley, County Agent in Bridgton, New Jersey spoke on the subject "We Have Our Problems Too". James W. Dayton of the Mass. State College spoke on "What I have seen on Massachusetts Farms this Year." This is the first time in thirty years that the exhibit of Squash was omitted.

On Saturday, January 25 the Boston Market Gardeners will meet in Waban at the Boston Gardening Company and Neighborhood Club. There will be a social hour and luncheon at 12:30 with a Business meeting at 1:30 with the nominations of officers. W. D. Whitcomb of the Waltham Field Station will speak on "What's New In Insecticides".

Ernest Thayer a graduate of Essex Aggie and a vegetable grower in Wenham will speak on the subject "Who are the Future Farmers of America?"

There will be a 4-H Club Vegetable Judging Demonstration. This is being arranged by Grant B. Snyder, Head of the Department of Vegetable Gardening at the State College.

HINTS ON RABBIT CONTROL

Cottontail rabbits are important game animals, but they do considerable damage at this time of the year to orchards, young forest plantations, and nurseries. Under these conditions it then becomes necessary to take measures for their control.

Wherever severe damage occurs the numbers of these rabbits can be checked usually by hunting and trapping. Such measures may only be temporary because cottontails range over quite an extensive area especially in times of food shortage when the snow is deep.

Where the area to be protected is not too large, a rabbit-proof fence may be profitably used. Also, cylinders (guards) of woven wire netting shaped about the trunk of each tree may be used in orchards where the snow is not deep.

Paints, smears, or washes supposed to be distasteful to rabbits have been recommended, but they are not sufficiently permanent to afford protection for an entire winter and most of those that do last are injurious to

High Honors To Norman Morgan

At the Union Agricultural meetings in Worcester this month, a Certificate of Merit was awarded to Norman R. Morgan of Andover for his out-standing work in the poultry business.

Norman Randolph Morgan of Lowell Street, Andover, was graduated from the Essex County Agricultural School in 1925. In his junior year he obtained his first practical experience in poultry as foreman of the School poultry plant under Mr. William B. Moore and the late Albert D. Doolittle, former poultry instructors. In his senior year he built up experience in salesmanship by operating a roadside stand on property leased by the School. This was the first year in which the stand was operated, and it is still being carried on by the local F. F. A. chapter.

After graduating from the School, Norman went to work on the Braeland Farm in North Andover as a hired man. He subsequently became foreman, during which period he picked up a varied experience in most of the phases of poultry raising.

In 1928 he married Miss Naida B. Kennedy and leased the poultry division of the farm. He was then definitely on "his own", at the beginning of a very difficult period for building a poultry business. Working on a "shoe-string", experiencing sickness in the flock, and going through the depression period, were mighty discouraging experiences, but Mr. and Mrs. Morgan "stuck it out" until the amount of the lease was to be increased in 1936. That was enough to influence them to buy their own farm, which they did in that same year.

With the savings and credit which they had established (you will note it is "they", because Norman gives full credit to his wife for her partnership) they bought 58 acres, including a house and barn. The barn was remodeled into a three-story laying house, and a model three story new laying house was erected also. This has since been enlarged so that the present capacity is three thousand layers. Last season nearly forty thousand chicks were hatched for home use and for sale. For several years, up until June, 1940, every bird on the place has been dressed, and an extensive retail route has been carried on in Andover. The dressing has been discontinued since June to relieve some of the pressure caused by

Hints On Color For Types

Gray or black fur is best for gray-haired women.

Gold is not as good as silver, pearls or rhinestones for gray hair.

Gray is a good basic color for women with gray hair if she will wear make-up carefully applied.

Wear gray with a flattering color near the face; for example, a gray coat, gray hat with red-violet veil, red-violet scarf, gray gloves. A pink scarf, pink gloves and ear-rings might be substituted. Aqua also could be used.

Yellow or orange worn by a gray-haired woman will repeat any tendency to yellow in the hair, and will also accent yellow in a fallow skin.

Beige is best on red-haired persons, but can be worn by brunettes and most people of medium coloring.

Neutral beige is not good on a blonde. It will make her look faded and cheap. However, she might accent the beige with a subtle tone of salmon and wear a brown hat, gloves, shoes and coat.

A brunette needs accents of color with black.

Wearing unrelieved dark colors is a bad plan if the complexion is not good.

Black may be worn with brown fur.

Margaret R. Harris
Instructor in related Art

RADIO PROGRAMS

The School still maintains their regular weekly program on Radio Station WLAW, Lawrence, 680 on your dials. These weekly programs are on each Tuesday at 12.15. The month is divided so that the first Tuesday is taken by the County Agent, the second Tuesday by the Home Demonstration Agent, the third Tuesday by the 4-H Club Agents and the fourth Tuesday by the School.

Notices of meetings and special announcements are given from the Salem Station WESX on their Farmers' program at 7 to 7.10 A. M. and also on the 6 to 6.30 program of the Farmers' Almanac on Station WEEL by Jesse Buffum.

RURAL POLICY COMMITTEE

At the annual meeting of the Essex County Rural Policy committee the following were elected to serve as officers during the coming year. Chairman, Harry Cole of West Boxford; Vice-chairman Wilfred Martel of Ipswich; and Secretary, County Agent Francis C. Smith.

(Continued on page 2, col. 2)
of supplement)

(Continued on page 2, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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SCHOOL FOR VEGETABLE GARDENERS

A school for vegetable gardeners is
being planned for Wednesday eve-
nings at the Waltham Field Station.
The lectures are free and will com-
mence at 7.30 P. M. discussions will
be led by Professors Snyder, Young,
Dempsey, Tuttle, Dayton and Lach-
man of the Mass. State College.
Dates of meetings and subjects to be
discussed follow.

Jan. 15, Plant Roots, the work they
do and how they do it.

Jan. 22, Water, How much and why it
is important.

Jan. 29, Warmth and growth.

Feb. 5, Temperature and its relation
to the proper handling and stor-
age of vegetables.

Feb. 12, Why is Light so important
in growing plants.

Feb. 19, Air Circulation and Air
Moisture and how they affect yields
and costs.

Simple demonstrations at each
meeting will help bring out the prin-
ciples under discussion. All who are
interested are urged to attend and
bring your son or neighbor with
you.

SAFETY FIRST

During the winter months there is
always a sharp increase in accidents
from carbon monoxide poisoning.
This is due largely to the increase in
carbon monoxide hazards during cold
weather.

When carbon compounds such as
coal, fuel oil, kerosene or gasoline
are burned the chief products of
combustion are carbon dioxide and
water. However, under special condi-
tions or when there is insufficient
oxygen available carbon monoxide
will be formed. Carbon monoxide is a
colorless, odorless, tasteless gas
which combines with the hemoglobin
in the red blood cells, making them
useless. As little as one tenth of one
percent of carbon monoxide in air
causes symptoms of poisoning and
one fifth of one percent in air is suf-
ficient to cause death.

Every householder should make
sure that the heating system of his
home is in good order before cold
weather comes. Chimneys should be
clean, dampers working properly and
all cracks cemented. This is especially
important in the hot air type of heat-
ing system.

In operating the furnace dampers
should not be shut too soon after
refueling and should never be com-
pletely closed.

Oil burners in the kitchen range
should be kept clean and drafts ad-
justed so that there are no fumes.
If small portable oil or gas heat-
ers, without chimney connections are
used ventilation should always be
provided. Heaters of this type should
never be left running at night.

Illuminating gas as it is supplied
by the gas company contains carbon
monoxide mixed with other gases.
When the burners are lighted the
carbon monoxide burns with a blue
flame to give heat and form the rel-
atively harmless carbon dioxide. In
winter, when houses are not so well
ventilated as in summer, the home
owner needs to be especially careful
about the gas leaks, and faulty gas
burners.

Never warm up the motor of the
car in the garage, even though the
garage doors are open. Back it out
into the yard. In a cold motor the
evidence of carbon monoxide maybe
quite high as a result of incomplete
combustion. Even in cold weather
keep at least one of the car windows
partly open when driving, and if the
car is several years old have the ex-
haust pipe checked from time to time
to make sure there are no leaks.

If accidents from carbon monoxide
occur, remove the victim to the open
air and summon aid immediately.
Until help arrives keep the victim
warm and if necessary apply arti-
ficial respiration.

Constance Lovett

ANNUAL MEETING OF A. C. P.

The annual meeting of the Essex
County Agricultural Conservation
Program was held here at the School
on December 20. Harry Cole chair-
man of the Essex County Committee
presided. Melville G. Grey a former
chairman and now a member of the
State Committee gave a report of the
meeting of the delegates to the North
East Regional meeting in New York.
Mr. Grey was appointed on the special
committee on Agriculture and
National Defense. W. Dana Bragdon
of Methuen also gave a report of the
New York meeting. These men
brought out the facts that 34% of
the people on the farms are receiv-
ing only 10% of the National Income
and steps should be taken to remedy
this.

There is in normal times only
enough grain including flour in New
England for 1½ weeks. The rest is
stored west of the Hudson river and
steps should be taken to have storage
facilities in New England. There are
places available for storage of six
months supply but none available for
the grinding of this amount and the
cost would be high.

The matter of a direct pipe line
from Texas to New England was al-
so considered at the New York meet-
ing. There is at present a direct pipe
line from Providence to the city of
Worcester. In the event of trouble the
New England states would be cut off
from their supply of oil and gasoline.

The following officers were elected
for the coming year: Harry Cole of
West Buxford, chairman; Joseph
Smith of Lynnfield, vice chairman;
W. Dana Bragdon of Methuen, regu-
lar member; Wm. Hobart Clark of
Danvers, 1st alternate; and Harry
Blackard of Haverhill 2nd. alternate.

It was voted that the members
recommend that the ACP do all in
their power to have a better balance
between the prices the farmer pays
for grain and the prices he receives
for the goods that he sells.

NORMAN MORGAN

(Continued from page 1, col. 2)
increased business and because the
dressing of broilers proved to be un-
profitable, according to cost accounts.

Norman will have a married couple
and two single-men in his employ this
winter, one of whom is a graduate
from the evening class in poultry for
adults. A graduate from the day
school, recently employed by Morgan,
has just entered business for him-
self.

Norman gives much credit to his
wife, his foreman, Elmer Peterson,
and to his early experience and sub-
sequent contacts with the School for
his success.

He was elected to the executive
committee of the Essex County Poul-
try Association at the last annual
meeting, and served as treasurer
when it was reorganized ten years
ago.

J. Stanley Bennett,

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

JANUARY, 1941

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanor Gray '41	Marblehead
Rita Hitchcock '41	Danvers
Margaret Kennedy '41	Lawrence
Betty Maxner '41	Beverly
Ruth Maxwell '42	Lynn
Bessie Pearson '42	Byfield
June Porst '41	Methuen
Lucy Tela '41	Lawrence
Priscilla Wilkins '41	Beverly

Agricultural Department

Donald Martin '41	Salem
Victor LaBranche '41	Haverhill
Burton Smith '41	Haverhill
William Hocter '41	Middleton
Walter Pike '41	Andover
Eugene Cobb '41	Georgetown
Austin Shorten '41	Groveland
Donald Aldrich '41	Beverly
Forest Reynolds '41	Amesbury
Robert Jackson '41	Methuen
John Adams '41	Georgetown
Edmund Richards '41	Wenham
Joseph Scouler '41	Lynn

BROWN SWISS CATTLE

A few weeks ago the Advanced Dairy Farming Class took a trip to Johnson's Farm, situated at Hampton, N. H. Mr. Johnson keeps a purebred herd of Brown Swiss cattle. He has twenty milking cows, one bull and several young heifer and bull calves. He has a young cow that produced 12,000 pounds of milk, as indicated by her first record of production. The last known breed record of production for Brown Swiss cattle is 23,565 pounds of milk and 1,065 pounds of fat, the record belonging to a cow of the Jane of Vernon Family.

The average test of fat credited to Brown Swiss cows is 3.8%. This figure is arrived at by the Brown Swiss Association, located at Beloit, Wisconsin. Although 3.8% is the evaluated fat content of milk for this breed, in almost all cases, the fat percent runs up to four or more percent. This trip proved to be most interesting because the Brown Swiss cattle are almost extinct.

D. A. A.

FUR AND GAME CLUB

The Fur and Game Club had a mink demonstration in December,

VISIT TO HOOD'S

On December 4, the advanced Dairy class in charge of Instructor Eastwood visited the H. P. Hood and Sons' plant in Lawrence. Here the class was introduced to Mr. Alfred Jackson, who graduated from Essex County Agricultural School in 1921. He directed us through the plant explaining points.

The first place visited was the receiving room. Here the milk is brought by trucks from the farms. It is first inspected by a man who is trained for this work. From here the milk is taken from the cans and put into a large flat pan. It is weighed and the test for butterfat content is next taken.

The milk is pumped over a cooler at 38 degrees F. and the cans are washed in water at a temperature of 180 degrees F.

Leaving this room they went to the room where all the bottles are received and washed in an electric washer. The cases were also washed here. These bottles were sent to another room by means of an electric belt where, they were filled with milk.

Going upstairs the class entered a large room that was used for pasteurizing milk and making butter-milk. On the right were three large Holdwig Pasteurizers that held the milk at 143 degrees F. for thirty-three minutes. This killed tuberculosis, diphtheria and other germs which may be in the milk.

At the other end of the room were two large tanks which were made on the idea of a thermos bottle and were used for holding the milk before going to the pasteurizers. On the left was a large cooling system that the milk went over after it left the pasteurizers. This milk was then sent down to the bottling room. This room is where Russell Weinhold from the class of 1940 works.

Mr. Jackson told us that the bottling machines were run by suction capping and would not let any chipped bottles go through it. A man stood by inspecting the bottles and put them in cases. There are about 2,000 bottles a day put out from this room to the delivery room.

Going still further down stairs to the delivery room the class was given chocolate milk and ice cream.

B. E. S.

which consisted of killing and dressing a mink. Instructor Knowlton, advisor to the club, furnished the mink

EAT MORE CARROTS

During the coming year five million people will be buying food through the food stamp plan. Among the important vegetables that can be cheaply purchased are carrots, which should be eaten by every one both young and adults. Like all yellow vegetables they contain Vitamin A, which is especially beneficial to the eyes, promotes growth, and prevents bacteria infections. Carrots, one of the vegetables included in the new stamp plan, can be bought cheaply through the entire year. If one has a small garden they are very easy to grow. Carrots not only taste good but their appetizing color makes inexpensive meals more attractive. There are many, many ways in which carrots may be used as a food. Grated, raw, or very finely chopped carrots can be given to quite young children, they may also be cooked, finely mashed, and seasoned with butter. Carrots should be boiled with as little salted water as possible, so as not to waste the mineral contents. They can be used in stews, added to peas, creamed or used in cabbage salads as cole slaw.

Raw carrots may be scraped and ground in the meat grinder. You may then boil them in a small amount of water, cooking quickly to bring out the flavor.

Shred and boil them, or bake them in a covered casserole. Cut in fancy shapes for special occasions. Use them in steamed puddings, or carrot marmalade.

M. E. C.

FRENCH FRIED CARROTS

Here is a new and delicious method of preparing an old friend. Do not tell the family, just let them guess. I know they will enjoy carrots this way more than ever.

Scrape carrots, and cut as for French Fried potatoes, in long strips or cut in very thin strips as for potato chips. Soak for short time in milk. Dip in salted flour, getting pieces well covered, but shake off excess flour.

Fry in deep fat in wire basket, at a temperature of 385 degrees F., until slightly browned and crisp. Salt. Drain on absorbent paper, and serve immediately. They do not keep crisp long, so serve quickly.

R. A.

and demonstrated the proper method of killing and skinning the mink.

E. R.

SOME NEW YEAR'S RESOLUTIONS

Justine Bishop resolves to keep her promises.

Lila Bullock resolves to be allergic to mistletoe.

Claire Cadorette resolves to like her fur coat.

Mary Carey resolves to stop talking about her Donald.

Alice Clark resolves to be more friendly toward her girl friend.

Alice Cormier resolves to believe everything she is told.

Dorothy Daly resolves to stay in the building at least once a month.

Dorothy Dryden resolves to keep her hair curled.

Doris Durkee resolves to teach her boy friend to dance.

Helen Hallock resolves to look before sewing sleeves into sweaters.

Barbara Hennigar resolves to stop her collection of horse pins.

Marjorie Hollingsworth resolves not to have more than six boy friends at one time.

Margaret Kennedy resolves not to have a broken ankle so as to have her boy friend visiting her.

Marion Leech resolves not to play "hooky", as her father is a truant officer.

Gertrude Mungan resolves to make more noise.

Isabelle Rabs resolves to find a boy she really likes.

Pauline Roy resolves not to be absent for the rest of the year.

Helen Strube resolves to find a boy friend like Harry, for herself.

Isabelle Weed resolves to do some work in the kitchen.

June Porst resolves to take better care of Jake.

High school B's resolve to wear ear lugs if Mary Carey doesn't stop singing.

R. A.

SWEEPSTAKES AWARD

Ruth Maxwell '42 of Lynn deserves congratulations for winning the sweepstakes prize at the Christmas Decorations Show held in the Main building.

Her exhibit was a centerpiece of greenery with an archway and bell in the center, and was most attractive.

Both faculty and students are proud that one of the Homemaking girls made this beautiful exhibit and won the Fifth Annual F. F. A. Christmas Decorations Show.

M. E. C.

PRIZE SPEAKING

Christos Mpelkas, a junior student at Essex, winner of the State F. F. A. prize speaking contest, was presented with a medal by the Mass. State Dept. of Agriculture at the banquet held in connection with the Union Agricultural meetings, in Worcester on January 9.

F. F. A. BUDGETS

The F. F. A. Committee and Club budgets were passed at general meetings held just before the Christmas recess at the school. The budgets as finally passed were exactly as approved by the Executive Committee.

The Floriculture Club and Executive Committee budgets still await consideration.

Meetings were presided over by John Ambrefe, Henry Britton, Victor LaBranche and Robert Conway due to the absence of President Robert Landry.

V. LaB.

F. F. A. PARTY

On December 20th the F. F. A. held their Christmas party in the assembly hall at the main building. The chapter played the role of host to the students and faculty of the Homemaking department. The Essex County W. P. A. band furnished the entertainment for the afternoon. They played many fine selections that were written by famous composers from different countries. The afternoon assembly ended with the band playing Christmas Carols and the student body singing. After the concert, dancing was enjoyed until 5:30 P. M. with music by Delma and her girls.

W. H.

CHANGES IN SCHEDULES

Beginning next semester (January 27) there will be various changes in the schedules of the Homemaking Department. The high school girls will have their class time in socio-economics changed to family relationships. Senior and high school girls who have had child care the first semester will study home hygiene the second semester. Each freshman division will prepare the faculty luncheon for one quarter of the year. Two additional periods in English for story telling will take the place of family relationships for the seniors. High School divisions who have had foods classes in the downstairs kitchen will come upstairs to serve the faculty, while girls who have worked in the upstairs kitchen will be working in the student cafeteria kitchen. The high school girls studying dress appreciation will have this subject changed to home decoration.

In place of two periods of clothing the high school girls will have house care.

J. P.

HINTS ON RABBIT CONTROL

(From page 1, col. 1)

the trees. The Fish and Wildlife Service is still experimenting with repellents for this region.

Other means of preventing rabbit depredations in winter are through feedings. One plan is to leave winter prunings of apple trees scattered about the orchard. Another is to leave brush piles in areas where rabbits are found adjacent to crops to be

CHRISTMAS FESTIVITIES

Christmas has come and gone, leaving behind memories of happy times spent in the homemaking class rooms. If one wandered about the building, each room had its prettily wrapped gifts and decorated lighted tree. The gifts brought much joy to the giver and receiver. The teachers cooperated and helped in every way to make this Christmas one to be remembered.

M. E. C.

CHRISTMAS CAROLS

Following the custom that has prevailed at Essex Aggie during the Christmas period, the students gladly joined in the singing of Christmas carols. The students in Miss Clarke's room started off with the singing of "Oh Little Town of Bethlehem". Each class room by room proceeded with the song it had chosen that morning. From one end of the building then to another the students' voices blended in the singing of the joyful carols.

L. T.

BASKETBALL

Coach Phillip H. Coulig has arranged a fine schedule for the Essex Aggie Quintet and is as follows:

Jan. 7 at Rockport at 7:30 P. M.
Jan. 10 Alumni at ECAS at 3:45 P. M.
Jan. 15 Wakefield at ECAS at 3:45.
Jan. 21 Lowell Trade at ECAS at 3:45
Jan. 24 Norfolk at ECAS at 7:30
Jan. 28 Peabody at ECAS at 3:45
Feb. 1 at Peabody at 7:30 P. M.
Feb. 5 at Methuen at 7:30 P. M.
Feb. 7 at Lowell Trade at 7:30 P. M.
Feb. 11 at Methuen at 3:45 P. M.
Feb. 14 Open
Feb. 18 Rockport at ECAS at 3:45
Feb. 21 at Norfolk at 8:30 P. M.
Feb. 25 at Salem at 3:30 P. M.
Feb. 28 Open

R. J.

EXHIBIT AT WORCESTER

The forestry exhibit, prepared by Eugene Cobb, which was an outstanding exhibit at the recent Science Exposition, was chosen by the State Agricultural Supervisor, John Glavin, for exhibit at the Union Agricultural meetings at Worcester. Instructor Cartwright and student Walter Pike, set up the exhibit on January 8.

W. N. P.

protected. Brush piles can be made incidental to forest improvement cuttings in winter when the following year's supply of wood is harvested. Still another means is to furnish cabbage, turnips, corn, etc., in quantities sufficient to provide food for the rabbits during cold weather. See Farmers' Bulletin No. 707 of the U. S. Department of Agriculture for further details.

Prepared by Robert N. Byg, Agent U. S. Fish and Wildlife Service

BETTER LIVING ON THE FARM

The Extension workers in the state held their annual conference at Amherst early in December. The following is part of the report which County Agent Francis C. Smith has prepared of that conference. The theme for the conference was "Better Living on the Farm".

Director Munson emphasized the nutrition needs, the national defense appeal.

Director Carl C. Taylor, B. A. E.—U. S. D. A. talked on the question of Democracy or Totalitarianism. What can we do about defense? We all live as part of different societies. I am an American—a part of our national society—generally national society plays only 10% influence on the individual. But in a crisis it may become very great. If we enlarge the national influence then there must be a reduction in other factors. We need to hold on to local autonomy.

2. National Unity is now important—Germany has developed national unity to a greater degree than any other nation. But we now need to develop a National Unity within democracy.

Read, "A New Social Philosophy" by Warner Senbart. He explains the Nazi philosophy.

What has Germany got that we lack? Unity. There the citizen finds his place in the Reich and the Führer is his God.

In the U. S. we need a mystical objective. Willkie roused considerable aim. This fervor must go further we need more faith in each other. Whether England wins or loses we need this supreme faith in the common man, in U. S., in Democracy.

3. The farm level of family living is the measure of success of any agricultural program or civilization. Standard is what we aspire to but level is what we do, these are not the same. This is the only way to measure "Parity."

By using the above level we discover:

1. Most farm families have higher level of living than the low of the cities.

2. Corn belt is higher than Cotton belt.

3. Measured in terms of food, farm families rank high, 50% have good diets; but only 20% in cities. On farms 25% have poor diets, but 35% in cities have poor diets.

4. Cultural Factors: Recreation, books, music, art, etc., farm is lower average than city.

5. Housing: 75% of farm houses are 25 years of age or over. N. E. is best area as far as farm housing goes.

6. Education: Farm receives only 10% of national income but furnishes 30% of education.

Every family level of living must have its own standard. The Community standard also must be considered.

GARDEN CHAT

Defense programs seem to occupy the press headlines today, and are the common topics of discussion. Where are we heading in the defense program along vegetable lines?

There are several ways of approaching the subject. First: in what way are we planning to grow some of our own vegetables this coming season so as to cut down on the general supply? This question would be for the back yard gardener. To the commercial grower it resolves itself into several ways; should one decrease or increase one's acreage, largely depending on the labor situation. The writer does not believe that the average should be cut down, too severely, particularly of the staple vegetables; as, potatoes, cabbage, and carrots, which can be stored. As for cutting down on the annual vegetable crops, such as, tomatoes, beans, spinach, etc., perhaps our answer should not be to cut down on our average but should be to can our surplus. Many of these annuals are high in food value. Why not profit from our depression garden programs and can more of our own garden crops through community plants such as were in use at Lawrence and Salem. There is an important factor we should not lose sight of in our own garden projects, and that is quality of fresh products that one cannot get in any other way than from one's own backyard garden.

Secondly: how are we planning our defense program towards combating the enemy,—“Insects and Diseases”. Millions of dollars worth of destruction goes on yearly by these Fifth Columnists. Now is the time that we should be finding out more about these pests before it is time for another year's work. If you had a garden this past season, did you get it cleaned up during late Fall? If not, get out between the snow storms now and gather the old corn stalks, weeds, etc. and either burn them or put them into your compost pile. Many insects and diseases winter over in or on these stalks and aid in increasing the infestations for another year.

Thirdly: during the quieter months of winter, are we repairing our tools and equipment if needed? Are we prepared to meet the garden demands when time comes to use our various tools and machinery. Perhaps some of the equipment is beyond repair and now is the time to discard same and purchase new tools, etc. At any rate, be prepared.

Fourth: are we properly planning our garden as to the best varieties to grow for our conditions, as to plant food requirements, as to maximum returns involving succession crops and rotation, as to irrigation and as to storage conditions. Some vegetables mature quickly enough to permit the planting of another quick growing crop afterwards. We should

(Continued col. 3)

remember that we get as much out of anything as we put in. This holds true in two ways both as to proper planning ahead of time as well as from the standpoint of plant food applied to the soil to aid in crop production. If one has irrigation at hand more intensive crop planning can be followed than where it is not available. If one has storage facilities at hand, late crops can so be grown that a good part can be stored away for winter use. Do we know our soils so that we know which crops will do the best on our land from a standpoint of acidity or alkalinity.

Look for a suggested vegetable garden plan for the average size family in the February issue of the "Essex Farmer and Homemaker". Perhaps the listed crops may not be to your liking, and in such cases other crops can be substituted in their place.

Let's begin to get Defense minded in the production of a part of our own food supply.

C. M. Stearns

BETTER LIVING

(From col. 1)

The community restrictions on family standard are: Health and Decency.

Democracy is based on the thesis that each person shall have the right to develop his own destiny. Jesus believed in the ability of common man to run himself and to run the government. We must guard the rights of the individual. We can accomplish something on level and standard of living both in the family and community. We could get standards of living that would become devastating.

When it became too high in Germany it was reduced by a National Standard of Spartanism.

Dealing with standards and levels is just as important as dealing with things.

1. Approach: Attempt to improve levels, foods, mostly produced on farm. Living at home as a basis of appeal not Production for Profit.

2. Housing: Mostly handled by the farmer himself. There is an over emphasis on commercial farming and purchased elements. This has caused a deterioration in skills that help home family living.

3. Health: Very important.

4. Recreation: Important even in the army.

5. Education: Important for culture as well as commerce.

The standard of living on the farm may be superior to that of the city and cost less.

6. If and When Extension workers become convinced they can short circuit Production to Consumer, then they can develop farm family living as a first ideal and Commercial farming as a second.

We need to tie grandfather's methods and philosophy today. It is a long term project. The aim is to build body, mind and spirit.



4 - H CLUB NOTES



FUN A-PLENTY

Fun a-plenty was had by club members and leaders and friends who attended the Recreation Meetings. Mr. Lawrence V. Loy, Specialist in Recreation and Community Organization, was in charge. One meeting was held on Tuesday evening, Jan 7, at Legion Hall, North Andover, and two other meetings were held on Wednesday, Jan 8, at the Essex County Agricultural school.

Here are some of Mr. Loy's techniques of game leadership:

1. Plan the program carefully. Start with simple games, mixers, to get the group acquainted, active, and interested. Try to alternate active and quiet games, or the group will soon tire and lose interest. Build up to a climax, saving the best game for the closing number on the program.
2. Know the game thoroughly. The director must learn the words, the tune, the formation and action to the game in advance, in order to be able to present it to the group.
3. Explain briefly. Get the players into formation at once. Give a general idea of the game, then have the group learn the action step by step.
4. Overlook Blunders. Point out errors in a general way, and avoid making the individual feel self-conscious.
5. Show enthusiasm. Avoid a "cut and dried" manner in giving explanations, and make the players feel that you are having the time of your life directing the game.
6. Know when to stop a game. Never continue a game which has lost interest. Try to stop when the interest is at a peak rather than after it has started to decline. It is better to leave a feeling of wanting more than a feeling of having had enough.

Copies of Mr. Loy's bulletins, "Games for Clubs" (revised edition) and "Singing Games", may be had by asking the club agents or by writing to the county Extension Office.

FARMERS' AND HOMEMAKERS' DAY

It isn't too early to make plans for attending the annual Farmers' and Homemakers' Day which will be held here at the School on Wednesday, March 19.

There will be a morning program for men and women and in the afternoon the special conferences for the various departments.

COUNTY GIRLS' DAY

County Girls' Day comes this year on Saturday, May 3. Rules will be similar to last year's and there will be classes for club members of all ages from Cloverbuds up. A complete list of the rules and contests will be sent out to leaders before the end of January.

Girls 15 to 21 years of age will want to be eligible for State Girls' Day contests. Rules for State Girls' Day have already been sent to leaders, so if you want to know what they are, ask your local leader about them.

Be thinking of your final exhibits. Most clubs have them in April or May. Let's have 100% completions!

Following are the names I have of leaders who are actively leading girls' clubs this year.

- Amesbury: Louise Guild Mrs. Pierce.
 Andover: Mrs. G. R. Abbott, Frances Hartmann, Mrs. H. L. Newmann, Mrs. L. V. O'Connor, Marjorie Davies.
 Beverly: Miss Marion Parker, Mrs. Elsa McElhiney.
 Danvers: Mrs. John Ross, Esther Usher, Mrs. Elsie Wright, Mrs. J. S. Bennett, Mrs. Mary Webb, Mrs. Beatrice McPhee, Mrs. W. C. Cann, Mrs. Frances Welch.
 Georgetown: Mrs. W. Merrill, Mrs. Myrtle Maki, Mrs. Charles Longley.
 Groveland: Mrs. Leon Jordan, Pauline Blackburn, Nancy Harrison.
 Haverhill: Mrs. Doris Jackson.
 Methuen: Mrs. H. J. Shute, Mrs. E. Playdon.
 Middleton: Mrs. Evelyn DeBlois.
 No. Andover: Doris Albrecht, Mrs. George Moody, Mary Koroskys.
 Rowley: Mrs. Beatrice Blatchford, Mrs. Barrett, Mrs. Woodburn.
 Saugus: Mrs. Elizabeth Cameron, Mrs. Hazel Ledder, Mrs. Fournier.
 Swampscott: Mrs. Watt Dozier, Mrs. Webber, Mrs. Hill.
 West Newbury: Mrs. Charles Fowler.

Is your name listed? If you are a leader of a girls' club, and your name is not given here, please let me know right away.

Ida B. Davis,
 Asst. County Club Agent

UNIVERSITY OF NEW HAMPSHIRE

The Senior Dairy Class have taken a number of trips in the past weeks and among them was a trip to the University of New Hampshire at Durham. After a trip around the campus our first agricultural interest was the animal husbandry barn. Here was kept the milking Shorthorns Hereford cows, Shropshire, Dorset sheep and Chester pigs.

They had two horse barns one was where three stud horses were kept, a Morgan from Dr. Orcutt's and a thoroughbred named "Son of God", the other barn was where the riding school department kept their horses.

Dairy barns were the most interesting of all. They kept all the young heifers loose in a large barn, having a manger running length wise in the barn. They only clean the barn out when having nothing else to do. This system saves and is claimed to produce healthier cows. The milking herd is kept loose but cleaner and well bedded. The cows are milked in the milk parlor, consisting of stalls equipped with milking machines. Before they enter these stalls they receive a shower and are dried.

The dairy plant was our last stop. Here they have all modern dairy plant equipment. One that I never had seen before was the spray type pasteurizer. There was a homogenizer that breaks down the fat solids so the milk can not be separated or the cream never rises to the top.

J. A.

SERVICE CLUB

The Essex County 4-H Service Club met Thursday evening, December 20th, for their annual Christmas party and election of officers.

The following officers were elected for the year 1941:

President	Warren E. Page
Vice-President	Mildred Cann
Secretary	Doris Albrecht
Treasurer	Inez Biondini
Program	Mrs. Viola Shute
Fair	Frederick Usher
Banquet	Laura Biondini
Radio	Ida Davis
Nominating	Georgia Reed
Service	Paul Corson
Finance	Esther Usher
Gertrude Reed, George Hoffman	

About 35 members attended and enjoyed the Christmas tree and refreshments that followed the business meeting. Mr. Shute showed two comedy sound pictures as added entertainment.

ANNUAL FARMERS'
 AND HOMEMAKERS'
 DAY MARCH 19

ESSEX FARMER AND HOME MAKER

VOL. 23

HATHORNE, MASS., FEBRUARY, 1941

NO. 2

Farmers' and Homemakers' Day

The Twenty-seventh Annual Farmers' and Homemakers' Day will be held on Wednesday, March 19 with the morning meeting opening at 10.30. This will be followed by a luncheon period when those who do not wish to bring a box lunch with them may purchase from the 4-H Service Club lunch room.

In the afternoon there will be the sectional meetings and a meeting for the women. This meeting will be held in the Homemaking building. The sectional meetings will be held as usual in the various buildings around the campus.

There will be student exhibits in the Homemaking and Agricultural buildings. The Trade exhibits will be held in the School Gymnasium as in past years.

The Poultry men are planning to hold their Baby Chick Show and as a reminder may we say now that all chicks must arrive at the School on Tuesday, March 18 as they will be judged on that day.

The Fruit and Vegetable Growers, and Dairymen are all planning meetings for the afternoon.

It is hoped to have the next issue of the Essex Farmer and Homemaker in your hands before the 19th of March with more details of the program.

The main thing is make your plans Now to Come to Essex Aggie on March 19 for the day. We assure you that it will be a day you will enjoy. Your newspapers and the Radio will carry information from time to time as to the plans.

Champion Fruit Judges

The Fruit Judging Team of the Essex Chapter F. F. A., met with unusual success during the present



Henry Britton '41, Emile St. Pierre '41,
Richard Peaslee '42
Instructor C. M. Wood, standing

school year by winning the First Prize Award, a silver cup, donated by the Niagara Sprayer and Chemical Company, at the Essex County Fair Contest; by placing second at the Interscholastic Fruit Judging Contest in Amherst and by winning high individual awards.

At the most recent State Fruit Judging Contest held in Worcester, January 10th, Henry Britton of Byfield by placing first not only won the State Department of Agriculture's Medal for being the State Champion Fruit Judge, but also won the Massachusetts Fruit Growers' Association first prize of twenty-five dollars. Emile St. Pierre also of the Class of 1941 of Lawrence won the third prize of ten dollars. In addition to being good judges the winners must carry fruit growing projects to qualify for these awards Henry and Emile were employed in the Fruit Division of the School during the project season of 1939, and Henry carried a horticultural project consisting mostly of apples and strawberries under the employment of Mr. B. D. Donahue of Georgetown in 1940. The Association stipulates that the prize money be spent under the supervision of the students' instructor for a worthy purpose in connection with a fruit growing enterprise or education.

These students earned the right to participate in this contest by excellent judging in previous contests. Henry placed first in the Interscholastic Judging Contest at the State College in Amherst in November,

(Continued on page 2, col. 3)

House Culture of Calla Begonias

The house culture of the Calla Begonias intrigues the true plant lover because of its eccentricities and contradictions. Apparently this is one plant that violates the rules.

New plants are started from the green basal shoots (the white tips are useless). The shoots are cut clearly across at a joint — not above it — and set firmly in scalded sharp sand packed very hard with a brick or wooden block and kept wet. A half and half mixture of peatmoss and sand is good also for rooting cuttings. A clay bulb pan or flower pot makes a convenient container.

Success with growing of these temperamental plants is had most often by window gardeners who heat their houses by stoves, admit fresh air frequently, pot into fibrous, rough, porous soil, with plenty of leafmold in it, and who have drainage material, such as a crock (slightly curved piece of a flower pot) hollow side down, over the drainhole, and $\frac{1}{2}$ " to 1" broken charcoal in the bottom of the pot, and who water only as plants come to need water.

The Calla Begonia thrives in damp soil, but suffers from soggy soil.

It will stand as much sun as the Wax Begonia, which is not very much in the summer. The Calla Begonia enjoys a night temperature of about 55° F and not over 70° F in the daytime. Many sunporches are cold at night and some have north windows for growing Calla Begonias.

H. Linwood White,
Instructor in Floriculture

FRESHMEN AND JUNIOR RED CROSS WORK

The Juniors are making thirty boys tailored shirts for their Red Cross project. These are made of gray cricket cloth. They are going to be ready to be sent the twenty-first of February.

For their Red Cross work the Freshmen are making men's hospital pajamas. They are going to have forty pairs ready by the twenty-first of February. They are being made of outing flannel.

Alfred Jackson '22 is employed at Hood's plant in Lawrence along with Russell Weinhold '40.

ALUMNI NOTES

John Hocter '39 is now employed at the Groton House Farm along with Wilfred Jordan '24 who is manager and Norbert White '37 and Woodbury Walker '36.

Mabel Bartlett class of '39 is now a sophomore at the University of New Hampshire.

Bertha Robblee '39 is now training at the Massachusetts General hospital in Boston.

Ernest Tarbox '36 is now located at 16 Lincoln Avenue, Millbury and is employed at the Millbury Conservatories.

Warren "Cap" Shiers '30 is managing Broad Cove Farm in Yarmouth, Maine.

Wm. H.

Essex Farmer and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of
the Essex County Agricultural School

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SUBSCRIPTION 25c PER YEAR

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Eastern Massachusetts Society
of Beekeepers Cliftondale
Essex County Milk Goat Breeders'
Association
Secretary, R. H. Campbell Topsfield

RADIO LOG

From now on we hope to be able
to print in the Essex Farmer and
Homemaker the schedule of Radio
talks the coming month. Following
is the schedule for the next five
weeks.

Feb. 25 over WLAW, Director Mos-
trom, "The School Placement Pro-
gram."

Mar. 4 over WLAW, Instructor Ken-
neth Forman, "Herd Health in re-
ference to Mastitis Control."

Mar. 11 over WLAW, Mrs. James
McNiff, "Child Guidance."

Mar. 12, at 1.45 over WESX, Miss
Torrey, "Come to Farmers' and
Homemakers' Day."

Mar. 13, at 11.15 over WHDH, Mrs.
James McNiff, "Child Guidance."

Mar. 18 over WLAW, Miss Torrey
"Program for Farmers' and Home-
makers' Day".

Mar. 25 over WLAW Miss Davis,
"Music as a 4-H Project". Esther
Usher's Music Club will take part
in the program.

PLAN TO ATTEND

FARMERS' AND HOMEMAKERS'

DAY, MARCH 19

DON'T OVERDO

In this past decade of feverish ac-
tivity doctors have often had to
admonish, "Don't overdo". Energy, like
any other commodity, must be con-
served; in other words it must be
used wisely. Now, curiously enough,
this same warning comes to us in the
culinary field, and we are told "not
to overdo", in certain processes of
cooking. The following instances serve
as some examples.

Vegetable Cookery: in order to re-
tain, in vegetables, as much of the
vitamins and the minerals as possi-
ble, we are advised to cook them
much less a time than was formerly
done, because today we know that
the longer they cook, the greater is
the loss of vitamins and minerals.
Minerals and certain vitamins are
soluble in water and, therefore, the
longer they cook in water the more
they are dissolved out into it. Vita-
min C is destroyed by the oxygen of
the air, so the longer the cooking
period for vegetables, the more the
vitamin C is destroyed by the con-
tact with the oxygen of the air. To
retain as much of these valuable food
materials as possible, vegetables,
especially greens, should be cooked
in the least possible water and with
the cover on where practical. The
cooking water should be used in
soups, gravies and sauces so far as
possible.

Pastry: in making pastry, the
shortening should be cut into the dry
ingredients only until the pieces are
the size of a pea. Cutting the short-
ening until it becomes very fine re-
sults in a crumbly texture and a pas-
try which is difficult to handle.

Muffins: directions for muffins call
for adding of liquid ingredients to
the dry ingredients and then stirring
the batter only until the flour dis-
appears, not heating or overmixing.
The batter should be lumpy, because
an overmixed muffin batter results
in tunnels in finished product and in
peaks on the top.

Butter Cakes: the first steps, in
mixing up of butter cakes should be
thoroughly done, so as to result in a
creamy butter, sugar and egg founda-
tion. After these first three ingre-
dients are well worked in, the flour
mixture and milk are added alternately,
with only a moderate amount
of beating, as nothing is gained by
excessive beating, in fact overbeating
develops the gluten in the flour and
tends to make the cake tough and
dry. Cake batter made with cake
flour may be beaten more than that
made with all purpose flour, because
there is less gluten in the cake flour.

Sponge Cakes: in beating up the
whites of eggs for sponge cakes,
care should be taken to beat them
until stiff, but not dry, as overbeat-
ing, until they become dry, results
in a dry sponge cake.

Note: Electric mixers do, so quick-
ly, the job of mixing and beating
that it is in using them that we need

CHAMPION FRUIT JUDGES

(Continued from page 1, col. 2)

winning a gold medal donated by the
State College. At the Essex County
Fair Contest in Topsfield held in
September, Henry placed first also.
This series of first prize winnings
establishes a record which can never
be surpassed. John Kachadorian '33
made similar placings in the contests
when he was in school, but did not
receive the same prizes because they
were not offered during the time that
he judged.

Essex Aggie boys have been par-
ticularly fortunate in winning the
generous awards offered by the Mass-
achusetts Fruit Growers' Association
since 1929. Bradford Webb '31, for-
merly of Andover and now employed
at Greycroft Farm, Wenham, was the
first to win the prize which consist-
ed of a sixty dollar scholarship. Brad-
ford accomplished this feat twice and
used the money to attend the Stock-
bridge School of Agriculture at the
State College in Amherst John Kach-
adorian '33, followed in Webb's path
by winning the prize in 1933 and at-
tending the Stockbridge School, and
is now running the home fruit farm
in Methuen.

Since that time three smaller prizes
instead of one large prize have been
offered by the M. F. G. A. and each
year except one an Essex Aggie boy
has succeeded in winning one of
these prizes. Gilbert Wallace '34 of
Bradford, bought Catskill strawberry
plants with his winnings and now has
on the home farm one of the largest
strawberry beds in Essex County.
Phillip Hamson '35 of Lynn bought
some agricultural tools. Gordon Hall
'36 of Andover who now has his own
farm purchased some nursery stock
with his prize money. Merle Graffam
'37 of Lynn bought some fruit books
to use in school. Paul Kelly '39 also
of Lynn purchased some strawberry
plants to enlarge his strawberry pro-
ject. Lloyd Briscoe ex-'39 of Grove-
land bought new varieties of young
apple trees to replace old trees and
enlarge the home orchard.

Henry Britton and Emile St.
Pierre, the most recent winners have
not yet decided how they will use
their prize money. Richard Peaslee
is a Junior in School and has still
another year in which to compete for
these prizes.

The Massachusetts Fruit Growers'
Association prize money has definitely
been used to help and encourage boys
to get started in agriculture, particu-
larly fruit growing, the worthy pur-
pose for which the money was in-
tended. The boys are greatly indebted
to the Association for its generosity.

C. M. Wood,
Instructor in Fruit

most to apply the warning "don't
overdo."

Bessie H. McJunkin,
Instructor in Foods

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

FEBRUARY, 1941

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanore Gray '41	Marblehead
Rita Hitchcock '42	Danvers
Margaret Kennedy '41	Lawrence
Betty Maxner '41	Beverly
Ruth Maxwell '42	Lynn
June Forst '41	Methuen
Lucy Tela '41	Lawrence

Agricultural Department

Donald Martin '41	Salem
Victor LaBranche '41	Haverhill
Burton Smith '41	Haverhill
William Hocter '41	Middleton
Walter Pike '41	Andover
Eugene Cobb '41	Georgetown
Austin Shorten '41	Groveland
Donald Aldrich '41	Beverly
Forest Reynolds '41	Amesbury
Robert Jackson '41	Methuen
John Adams '41	Georgetown
Edmund Richards '41	Wenham
Joseph Scouller '41	Lynn

USING BUCKWHEAT FLOUR

Is our government preparing us for war time conditions? Recently the U. S. Department of Agriculture issued a bulletin on modern uses of buckwheat flour in our everyday lives. Some of the following information was derived from "Clip Sheet No. 1166."

For many years the flour of buckwheat was popular in America for the making of griddle cakes. Several new uses of this inexpensive flour have been found; among them are waffles, baking powder biscuits, spice cake, muffins, cookies, and even yeast breads. An appetizing brown bread can be made by using equal quantities of white flour, corn meal and buckwheat flour. When making yeast breads it has been tested and proven satisfactory to use six times as much white flour as buckwheat flour to form a light bread.

Like other whole grains, buckwheat is valuable for its mineral and vitamin B content. It contains a very small amount of fat and due to this condition will not keep well in warm weather. Being a hearty grain food, and sold only after harvest, it is especially suitable for winter meals.

The kernel of the buckwheat is similar to the kernel of the regular wheat in size but it is shaped differently. It has a thick protective covering over it. It also resembles cereal yet it is not classed with the grasses, but with herbs.

Buckwheat honey is being widely used on griddle cakes and the Japanese also find it tasty on macaroni made from buckwheat flour.

A splendid recipe is offered us by the Bureau of Home Economics for gingerbread. Some folks call this Cambridge Gingerbread because it contains no ginger.

1½ c sifted white flour
1¼ c sifted buckwheat flour
½ teasp. soda
2 teasp. baking soda
½ c sugar, ½ teasp. salt
1 teasp. cloves and cinnamon mixed
2 eggs beaten, 1 c milk
¾ c melted fat, 1 c molasses

Sift dry ingredients together three times. Combine the beaten eggs, milk and melted fat. Add this to dry ingredients. Stir in the molasses last. Bake in shallow pans in a moderate oven (350°) for 30 to 40 minutes. If using sour milk instead of sweet milk use 1 teasp. of soda and only 1 teasp. of baking powder.

In my local community I found two places in which I could purchase all-buckwheat flour.

L. T., W. H.

R. R. H.

NEW GREEN AND WHITE BOARD

Green and White Editorial board meetings are held on Tuesday at 12.30 P. M. in the Homemaking building.

The next issue will appear about March 19 and will contain the Senior section in addition to the usual departments. The students from the agricultural and homemaking departments selected to prepare the issue are as follows: Editor in Chief, Henry Britton, Byfield; Special Editors: Kimon Bournazos, Haverhill, George Hoffman, Saugus, Christos Mpelkas, Lynn; Art Editors: Carolyn Archambault, Methuen, Donald Joiner, Wenham; Alumni Editors: Rita Gauthier, Andover, Harold Jones, Danvers; Sports Editors: Helen Richards, Beverly, Edward Lynch, Lawrence, Robert Jackson, Methuen; Echo Club Editor: Ruth Krankka, Peabody; F. F. A. Editor: Raymond Mizzi, Salem; Humor Editors: Claire Oak, Lynn, Robert Bertram, Salem, Thomas Owens, Salem, Joseph Hogan, Salem; Exchange Editors: Lucy Tela, Lawrence, George Banks, Saugus; Senior Editor, Peter Venti; Business Managers: Phyllis Cook, Beverly, Elaine Kennedy, Danvers, Ruth Karlson, Saugus, June Porst, Methuen, James Furey, Salem; Typists: Dorothy Gourley, Beverly, and Priscilla Glines, Andover.

R. A.

CHANGE OF ASSEMBLY TIME

The recent epidemic of grippe, flue and colds struck the Agge students full force and as a result, many a classroom chair stood empty. School went on for those who were able to attend but with some difficulty involved, especially in food preparation.

Now that the students are rapidly returning, an intensive program of make up has been organized. Assembly has been changed from 1.00 P. M. to 9.05 A. M. in order to give a longer study period. Both teachers and students are cooperating fully and every effort is being made to complete the school schedule.

M. K.

SENIOR DANCE

In spite of the torrential rain the Senior Class held their dance on Friday evening February 7 at the School with over sixty couples in attendance. Joe Corry's orchestra furnished the music and favors and no-se makers were a part of the evening's entertainment. All the committees cooperated in order to make this dance the pleasing success that it was.

L. T., W. H.

R. R. H.

SENIORS ARE BUSY

The senior students are busily working in order to make the Green and White Commencement issue an enjoyable magazine. Muriel Pontius has been assigned to do the Senior writeups. The commencement issue will have several added attractions. There will be a special Senior and High School section. The H. S. A. division has chosen Kathleen Ganey to do their writeups assisted by Betty Maxner.

The writeups for the H. S. B. division will be done by Mary Carey assisted by Gertrude Mungan.

L. T.

MASS. NAUTICAL SCHOOL

On January 15 a representative from the Massachusetts Nautical School showed colored films of life aboard the "Nantucket", and gave requirements necessary to enter this school.

The three year course is designed to train young men from 18-21 years old for the Merchant Marine.

D. M.

1941 HOCKEY

Aggie 9, Beverly 2nd 0
Aggie 1, Saugus High 2
Aggie 3, Brooks School 5
Aggie 0, Wakefield High 3
Aggie 3, Middleton 1 (overtime)
Aggie 0, Marblehead 2
Aggie 2, Middleton 1

Games to play Wilmington, Malden Catholic, Saugus, Marblehead and Tewksbury High Schools.

The team this year was coached by James N. Cole.

Members of the squad were: Captain Ralph Wilkins, Beverly; Robert Gagnon, Lynn; Emile St. Pierre, Lawrence; Leon Dupuis, Newbury; Leo Gardino, Saugus; Robert Mizzi, Salem; Irving Barter, Beverly; Norman Cobb, Beverly; Henry Britton, Byfield; Anthony Allen, Lawrence; Edwin Hyde, Nahant; Larry Peglow, Methuen; Malcolm Robbins, Amesbury; and Frank Ferguson, Peabody.

Although the Hockey team hopes to play a few more games before hanging up their skates the team under the Captaincy of Ralph Wilkins of Beverly has won three games and been on the short end of the other games. However the Aggies scored 17 goals to the opponents 13 in games to date.

The boys on the team showed very fine work on the ice and were gentlemen and played clean Hockey at all times.

The team will lose several outstanding stars this season when Captain Wilkins, Henry Britton, Emile St. Pierre and Leon Dupuis graduate.

Leading point scorers on the team were Ralph Wilkins, Captain; Robert Gagnon, Leo Gardino, Malcolm Robbins, Norman Cobb and Emile St. Pierre.

James N. Cole

JUNIOR CLASS ELECTIONS

The Junior students of the home-making department recently elected their class officers. The names of the students eligible for election were posted on the bulletin board. Miss McJunkin supervised the balloting. The following were chosen to lead their class: Vice President, Helen Small of Danvers; Secretary, Lorena Loeffler of Lawrence; Assistant Treasurer, Rita Hitchcock of Danvers.

The Junior students of the agricultural department met on February 4, to elect their class officers. Richard Snow of Gloucester was elected President and Eugene Burr of Beverly was elected Treasurer.

R. S.

BASKETBALL

The basketball squad is over half through the season and has won seven games and lost one. The scores are as follows:

Essex Aggie 17, Rockport 15
Essex Aggie 38, Alumni 25

TURKEYS IN MASSACHUSETTS

Conditions for growing turkeys in Massachusetts are very satisfactory. A good climate favors early maturity and an excellent finish to the birds. Abundance of shade and good grass range promote both growth and vigor. Good growing conditions for green feed assure a premium finish and economical production.

Turkey raising in N. E. has been on the upward trend for a dozen years or more. This was prompted by a greater demand for locally raised turkeys, a more or less year around demand, and a better understanding of the control of disease. Confinement or semi-confinement methods have gained rapidly during this period. Expansion seems destined to continue due to the financial success of some growers and the increase in size and number of specialized flocks raised on a commercial basis.

Of the six common breed of turkeys: Bronze, White Holland, Narragansetts, Bourbon Red, Black and Slate, the Bronze is the most numerous. Their popularity has been of long standing due to the greater size, beautiful plumage, and the ease in obtaining poults, eggs and breeding stock. In recent years the White Holland and Bourbon Red have gained in popularity in the respect that in size they meet the demand of the modern small family.

Practically all turkeys are started on wire porches and some are grown to maturity in confinement. The size of flocks range up to 15,000 birds. Nearly 500 farms in the Commonwealth raise turkeys and in the aggregate some 200,000 strong.

The danger of disease is ever present in most turkey flocks. Testing for Pullorum disease is making progress in the state. Blackhead is rather widespread but is controlled through management methods and sanitation. Testing for Pullorum has gone far and flocks well selected for present day market requirements are to be had. A program of trapping and pedigreeing work is being undertaken at some farms.

Two-thirds of the crop, and possibly more, is sold at retail outlets such as roadside stands and to private trade. The Massachusetts Turkey Growers' Assn., "Blue Tag" Turkeys can be ordered direct from the growers or stores handling these birds. Producers are now raising turkeys so that they are becoming available the year around.

Ralph Wilkins '41

Essex Aggie 37, Wakefield 18
Essex Aggie 31, Lowell Trade 17
Essex Aggie 32, Norfolk Aggies 16
Essex Aggie 31, Peabody 33
Essex Aggie 41, Peabody 25
Essex Aggie 26, Methuen 17

GYM WORK

Because of the recent epidemic of colds and influenza, Miss Arthur has taken the students on hikes instead of having their regular gym classes. The good fresh air has helped to keep the pupils in good condition.

Previous to this the girls enjoyed classes in rhythmic dancing. Miss Arthur is an excellent teacher, and although the pupils did not always do excellent work they enjoyed it very much and will receive marks for their progress. This sort of dancing not only strengthens their bodies but makes them more graceful, and every one can use more of the latter.

M. E. C.

F. F. A. NOTES

At the F. F. A. meeting on January 29, Instructor Knowlton showed pictures on erosion of soil along the Mississippi River. It was very interesting as well as educational, and showed the causes, damage done and also the building of large dams to hold back the mighty power of the river. This picture also proved the value and importance of Soil Conservation in the United States.

W. M.

F. F. A. BUDGET

On January 30-31 the Essex Chapter F. F. A. budget was completed. The Floriculture Club and Executive Committee budgets were approved by the student body.

After reconsideration the Animal Husbandry Club was granted \$20.00 instead of the \$10.00 as originally requested. The Fur Plant and Games Club requested and received a five dollar cut.

From an educational standpoint, the Chapter meetings devoted to approving the final budget were considered to be the best for several years.

V. LaB.

ANIMAL HUSBANDRY CLUB

On January 19, Dr. Orcutt, well known horse breeder of West Newbury, spoke to the members of the Animal Husbandry Club on the care, training, feeding, showing and management of horses.

He has won fame throughout the United States for his Morgans. He has also shipped horses to foreign countries for breeding purposes. Dr. Orcutt, was without a doubt, one of the most interesting speakers the club has had in recent years.

V. LaB.

BUTTER MAKING

The advanced dairy class under Instructor Eastwood, has had several lessons in butter making. Two lots of twelve pounds each were made, and members of the class learned the different steps in buttermaking.

All dairy students should be able to make butter and to know what constitutes high grade butter.

E. R.

WHAT TO LOOK FOR WHEN BUYING A RUG

1. Look at the back. The back will tell you what type of rug you are buying, Wilton, Axminster or what not, the greater the number of rows on the back the better the rug.

2. The quality of the yarn. Only an expert can tell whether the yarn is virgin wool or not, but if the rug is made by a reliable manufacturer the salesman can tell you. Step on the rug and see if the pile springs back into place quickly, this is a sign the wool is resilient and will wear well. Soft wool feels nice under foot when new, but doesn't wear as well as firmer wools.

3. Depth of Pile. This shows how much wool has been woven into the rug. The more wool the better the rug. The Wiltons do not have as deep a pile as other rugs, yet they are really better quality.

4. Closeness of the Tufts. Bend the rug backwards and notice how close the tufts are together. The closer the tufts the better the rug. Count the number of tufts to the inch up and down. This will tell you how many rows there are, and may be easier than counting the rows on the back. Thick close piled rugs wear best.

5. Be careful about dyes. Look to see if the dye goes down to the bottom of the pile, or is mainly on the surface where it shows.

The colors in cheaply made rugs sometimes change shade at the bottom of the tufts. Ask if the dyes are fast color. When buying look around and don't be afraid to ask questions because rugs are bought for long time use.

Mary M. McIntire

HOUSING

The High School Graduate groups have completed a project which involved study and research in the current problem of housing.

Did you know that one-third of our population lives in unsuitable dwelling places? Why?

There is a simple answer; people can not afford to live in good houses! The low incomes of so many American families do not permit payment of rent which would provide good housing. Then too, in recent years there have been many factors which have led to a shortage of houses. Statisticians tell us that between now and 1950 in order to meet minimum physical standards, we will need at least a million new dwellings per year.

Somewhere in the back of every American's head, is a hope—a hope to own a home built to his own taste and needs. But under present conditions, low-income families would have to rob a bank in order to build a home. The government is doing much to encourage individual home ownership, and to improve slum conditions in local communities. Ade-

WHAT ABOUT RICE?

Have you served rice recently? Are you forgetting that rice could add variety to your menus in many delicious ways?

Rice was one of the chief foods used in the early days before the great migrations of man over the earth. The earliest mention of this food in history comes from China. Authorities have traced its probable origin to a plant common in India in 3000 B. C. from where it was carried to the other Oriental countries. In America, the Indians gathered a grain called wild rice, which, though not true rice, is related and similar.

Rice is not just a food of prehistoric interest however. At present it is grown quite extensively in all the Oriental countries and in many places the rice harvest is a time of festivals. In America, despite the fact that early attempts to grow rice failed, it is now raised in Louisiana, Texas and Arkansas.

After its many milling processes rice is usually sent to market in the polished kernel form. However, due to the vitamin and mineral content of the brown or unpolished rice this product is becoming more popular. Brown rice is not as refined as polished rice and retains some of its coats of bran.

Properly cooked rice should be snowy white and have separate distinct grains. To obtain this result rinse the rice before cooking to wash away excess starch. Then cook it in a large quantity of rapidly boiling salted water. To keep the grains separate after cooking, drain off the boiling water, wash off the extra starch with hot water and set in a colander or sieve over hot water. This keeps the grains swelled and separate.

If rice can never quite substitute a potato for you try serving it in some of the many other delicious forms.

Mixed with ground left-over liver and a bit of onion it makes a good stuffing for green peppers and tomatoes. Try it as rice custard or with fruit in a compote.

Frances Martin,
Apprentice Teacher

PUBLIC SPEAKING CLUB

The Public Speaking Club will meet February 17 at the Bristol County Agricultural School to take part in the County District Contest.

Essex Aggie students taking part are Edwin Hyde of Nahant, who will talk on "The Hows and Whys of Sanitary Milk"; Kimon Bournazos of Haverhill has for his subject "Problems of the American Farmer" and George Hoffman of Saugus will speak on "The Development of American Farm Youth for Life".

B. E. S.

quate shelter is one of man's primary needs and every effort should be made to bring about better housing conditions.

M. K.

WAR OPENS MARKET FOR JUNIPER BERRIES

The juniper berries that grow by the bushel in so many New England cow pastures may prove a profitable farm crop at least until the end of the war. Arnold M. Davis, Massachusetts State College horticulturist, points out that the oil of juniper berries is widely used for medicinal purposes, and that the blockade has cut off the European supply which American drug companies have depended on. The European trade in juniper berries developed because of cheap labor and ideal growing conditions in Mediterranean countries.

The reserve supplies of juniper berries accumulated before the blockade are now practically exhausted, and American-grown juniper berries are bringing a war-market price of 25 to 35 cents a pound. F. C. Smith, county agricultural agent in Essex County, has a list of potential buyers for juniper berries.

Only the mature blue juniper berries which have grown their full two years are marketable, and they should be picked cleanly and handled much the same as blueberries. Heavy gloves will protect the picker's hands from the sharp needles of the plant.

GARDEN CHAT

In the last issue of the Farmer, reference was made to the appearance in this issue of a suggested vegetable garden plan of 50' x 100'. Due to the nature of the plan it will not appear at the present but will be mailed to all upon request.

The garden is so planned as to give a continuous supply of green salad vegetables as Swiss Chard and Spinach, as well as an ample supply of beans, tomatoes and corn to take care of the average size family. Beets and carrots are suggested in the plan for either immediate use, storage or cans—three rows of potatoes will take care of your winter supply. Early and late cabbage, turnip and broccoli may appeal to some, while summer squash and cucumber will appeal to others.

If you do not care for the entire set-up, substitute more of some listed or others not suggested to meet your needs and desires. One can so plan a garden that fresh vegetables may be had for the table during the growing season; plenty can be canned and still more can be stored for winter use. Send for your copy of the plan.

C. M. Stearns

APPRENTICE TEACHER

Miss Marian Knippe of Medford a Junior at the Framingham State Teachers' College is in the Home-making Department of the School for six weeks of teacher training. While here Miss Knippe will observe and teach. There will be two other young ladies from the Framingham State Teachers' College after the vacation.



4 - H CLUB NOTES



CLOTHING LEADERS MEET

A very successful Clothing Leaders training meeting was held on Tuesday afternoon, January 28, at the Agricultural School.

Leaders discussed their own local club problems with Miss Marion Forbes, Asst. State Club Leader. Miss Forbes explained (1) Techniques to teach 4-H Clothing Club Members; (2) Points that judges consider in 4-H Clothing exhibits; (3) Finishes for slips, aprons, and beginners' dresses.

Leaders present were: Mrs. G. Richard Abbott, Mrs. L. V. O'Connor, Miss Frances Hartman, Miss Adelaide Webb, Miss Mary Koroskys, Mrs. Arvid Molitor, Mrs. Beatrice McPhee, Mrs. Elsie McElhiney, Mrs. Mary Webb, Mrs. Elizabeth Playdon, Miss Betty Mullaly and Miss Barbara Lowe.

NEST EGGS FOR COLLEGE

In one of the recent Clip Sheets from the U. S. D. A. we find the following article. "More than a third of the students enrolled in agriculture and home economics in the Land Grant College are former members of 4-H Clubs, boys and girls. The club programs of 'learning by doing' stimulate ambition to learn more under formal instruction. Extension workers have observed. Also, they say, achievements in club work help to make college courses possible. Thousands of 4-H Club members have adopted the habit of saving the proceeds of their 4-H activities, turning them into the kind of nest eggs from which college courses can hatch, with or without the supplementary aid of parents. Some club members manage to finance college completely with savings and current earnings. Others are able to make a start that encourages parents to help along when help is needed."

County Club Agent Horace J. Shute says "Bert Gibbs of Saugus, Richard Clayton, Saugus, Esther Usher, Danvers; Silas Little, Newbury; Viola Messer Shute, Methuen; Nancy Ordway Harrison, Groveland; John Chadwick III of West Boxford are but to mention a few of the 4-H Club members in Essex County who have used their nest eggs for college training.

Of late there seems to be more scholarship money available to our club members. This year alone there was a total of \$850.00 in scholarships awarded to Massachusetts 4-H boys and girls. These young people will follow the example set by these other young people and use this money for further education."

MR. SHUTE RESIGNS

Horace J. Shute of Methuen who has been 4-H Club Agent here in Essex County for the past twelve years has resigned. Mr. Shute has recently returned from a trip to Burbank, California, and is planning to return. He has accepted a position in the personnel department of the Lockheed Aircraft Co.

Mr. Shute is a graduate of Essex Aggie with the Class of 1927 and after his graduation he carried on a poultry business in the northern part of the county. Upon the resignation of Robert Ewing as 4-H Club Agent, Mr. Shute took over and has brought the Club work up to its present standard.

Through his efforts the work has grown here and many young people have had this training while several have earned sufficient through winning prizes to further their education. It was through his efforts that Camp Leslie was started.

Mr. Shute is married, his wife was Viola Messer of the Class of 1929 at Essex Aggie. Their many friends throughout the County wish them great success in their new venture in California.

Mr. Shute's resignation will take effect on February 20, and it is the plan of the School officials to fill the vacancy as soon as possible.

M. R. T.

SAUGUS CLUB SENDS IN BEST REPORT

A report from Earle H. Nodine, Assistant State 4-H Club Leader states that the Red Rooster Poultry Club of Saugus submitted the most complete set of individual poultry records of any club in Mass.

Not only were the records complete, but they showed a very high egg yield and profit.

Eighteen boys under the direction of the County Club Agent and the leadership of Paul Corson have completed a very successful year and signify their intentions to carry on their projects in 1941.

The reports show that besides raising and caring for their birds, the club has also practised a sanitation program, the result of which may be witnessed in the fact that no members reported any disease among their birds.

Members of the club are:

Alton Page, William Goss, Fred Hoffman, Norman Small, Warren Ray, Boyd Barrett, Bernard Berrett, John Alkides, Joseph McGuire, Vernon Marshall, George MacNeil, Har-

4-H DESIGNER'S CONTEST

Again this year there will be a 4-H designer's contest. A preliminary contest will be held on Essex County Girls' Day, May 3, 1941, and the best entries will be exhibited for competition at Amherst, May 24, at State Girls' Day.

Purpose: To encourage girls in individualizing the outfits they make and to stimulate their interest in planning attractive rooms. To provide girls with an opportunity to express their artistic talent.

Those Eligible: All 4-H girls or junior leaders 14-21 years of age not enrolled in school beyond high school are eligible to enter the State Contest.

Rules: Class I: A sketch showing a basic dress pattern with suggestions for changes will be provided each contestant. Illustrate with as many sketches as you wish—possible variations in use, color combination, design, choice of fabrics and accessories.

Class II: Illustrate in color one wall of girl's room, showing dressing table unit. The background should show wall and window treatment. As many illustrations as are desired may be submitted.

Any 4-H girl who is interested should speak to her local leader or contact Miss Ida Davis, Asst. County Club Agent, Hathorne, Mass.

POULTRY CLUB

A very interesting moving picture called "Helpful Henry" was shown to the Poultry Club recently.

Henry is taking his vacation from college on a farm. He doesn't have any idea of how to farm but he says he can do it. The college boy gets on the tractor and instead of keeping in the rows he goes around in a circle and digs out the corn. When asked to water the hens, he turns the hose on them. He tries to make a lot of hay and gets buried in the hay. He doesn't know about bees and he sits down on a bee hive and the bees go after him and he gets stung. He tries to milk a cow and after a few tries he learns how. He is helped out by the farmer's daughter with whom he falls in love. Before the vacation is over the boy learns what farming is all about.

F. R.

old Eastman, Ludwig Hahn, Norman Rich, Richard Evans, Robert Hines, Edison Evans.

Warren Page

ESSEX FARMER AND HOME MAKER

VOL. 23

HATHORNE, MASS., MARCH, 1941

NO. 3

Towards A Better Understanding

The project season is here again. Most of our students must find experience opportunities with our Essex County farmers during the coming six months. A major problem with the School is to build up in the minds of the employer farmers a better understanding of the educational objectives underlying this placement program. Equally important is the task of inspiring each boy with the attitude that his project is far more than just a job and an opportunity to earn a certain amount of money.

Recently a committee of instructors has drawn up a statement designed to better acquaint our farmer cooperators with the placement program and its objectives, much of which is represented herewith.

Employer Relationships

The School Expects That the Student Will:

Show interest, enthusiasm and a willingness to learn.

Do a good day's work according to his age and ability.

Keep his employer's interest in mind at all times and be Punctual, Dependable and Loyal.

Be neat and clean—kind and well-mannered at all times.

The School Believes That the Employer Should:

Have an understanding with the student (before he actually starts work) about his duties, work hours, wages, time-off, church attendance, house rules, etc.

Treat the student as he would his own son with respect to food, sleeping quarters, and bedtime orders.

Give the student an opportunity to learn how to do well, as many jobs as possible.

Coach the student in the ways which he has found to be sensible in doing his work and handling his problem.

Notify the school immediately if any serious problem should arise between the employer and the student.

The Employer Will Obtain Satisfactory Service Through:

Helping the student continue his education on the farm.

His relationships with the school. Many employers discuss their problems with the project instructors on visiting days (twice monthly.)

A Triangle of Cooperation Between the Employer, the Student and the School Will Give Satisfaction to All.

Harold A. Mostrom, Director

Farmers' and Homemakers' Day

The 27th Annual Farmers' and Homemakers' Day will be held at the School on Wednesday, March 19, from 10.30 to 3.30. All are most cordially invited to attend.



Dr. Marie S. Gutowska

The program for the Homemakers will be of interest to all, whether you garden or like to hear about what other people do and how they live. Miss Gwendolen E. Davidson owner of the Highmead Nurseries in Ipswich will speak at 1.30 on "Hints for Better Gardens". Miss Davidson will bring some plants with her to demonstrate her talk.

Dr. Marie S. Gutowska now doing research work at the Massachusetts State College has chosen for her subject "Poland, Folk Lore and Customs." Dr. Gutowska will also speak to the Poultrymen on "Marketing of Poultry in Poland" and will tell about the Co-operatives before the war. Dr. Gutowska is a Fellow in Poultry, and will speak at 1.30 to the Poultrymen and at 2.30 to the Homemakers.

Dr. Harold S. Tiffany of the Waltham Field Station has been invited to speak to the Home Gardeners at 2.30 P. M.

The usual sectional meetings will be held. Fruit Growers will have Prof. Wilbur H. Thies of the State College on "Statewide Survey in the Apple Industry". Prof. Roland H. Barrett will give an illustrated talk. We understand that the film is a brand new one, plan to attend.

(Continued on page 3, col. 1)

Graduate Placement As Of 1940

When the Senior girls return in November for graduation we are always interested to learn whether their summer projects have become permanent positions. We are also interested in what all of our graduates are doing. In fact we write to each graduate once a year for the first five years after she leaves school. The answers to these letters have been coming in for the past three months. You might like to know what the 276 girls who have graduated during the past five years are doing.

We have heard from 85% of these girls which we consider a very good average. The figures when totaled show that of this 85%, 57 or 21% are married and making very definite and practical use of their Homemaking education. There are 52% engaged in work related to Homemaking. The balance or 11% are employed in offices, factories, or some other type of work which is not related to Homemaking.

It might be worthwhile to mention in detail the various phases of Home Economics work being done by these girls who are engaged in related occupations. There are a number employed in the various institutions around the county. Their work may be in the kitchen, sewing room, waitress in the dining room, preparing the food in the diet kitchen for special patients, nurse aids, or assisting the dietitian.

Many girls are employed in private homes as Household Assistants or Nursery Maids. Some of the girls have gone on to other schools studying nursing, special phases of foods work, or beauty culture. Those who have been especially interested in Clothing are working in the alteration departments of stores, have established shops in their own homes, or are working for dressmakers. A few girls have been especially courageous and now own and manage a restaurant, candy shop, or a catering business. There are some girls who are needed at home and have a full time job managing it for their families.

This picture of placement changes every year as new fields open or some of them close due to requirements for more advanced training. An example of this latter condition is found in the field of Dietetics. A few years ago a graduate from this school could take a 4-6 months' course in a hospital under the graduate die-

(Continued on page 3, col. 1)

Essex Farmer and Homemaker

HATHORNE, MASS.

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RADIO LOG OVER

WLAW AT 1215

Mar. 21—Miss Davis, "Music as a
4-H Project."

Apr. 1—Mr. Martin and Mr. Stearns,
"What the Conservation Program
has to offer in 1941."

Apr. 8—Mrs. James McNiff "Child
Guidance."

Apr. 15—4-H Program.

Apr. 22—Miss Margaret Harris,
"Do's and Don'ts in Home Deco-
ration."

Apr. 29—Mr. Cartwright, Forestry
talk.

AAA APPLICATIONS DUE

March 31 is the deadline for making
applications for the payments earned
under the 1940 Agricultural Con-
servation Program. Over 7,800 Mass-
achusetts farmers who participated
in the program last year have already
filed their applications and the
remainder should do so before March
31 closing date if they are to re-
ceive payments for the soil-building
practices carried out on their farms.
Contact the County Office at Hat-
thorne.

OLD TIME RECIPES

So many cook books are available
to us today, with the recipes so ac-
curately given, that we very often
forget the cook books of long ago.
One not only had to be a cook, but
sometimes possess mind reading pow-
ers to guess what the writer meant.
The following excerpts from the
"Yankee Cook Book", will, I think,
be of interest to many of you.

"Our great grandmothers used
hard wood ashes (in place of baking
soda) to make pancakes rise. They
poured boiling water over sifted
ashes in a cup, let ashes settle and
used the liquid as we use soda that
has been dissolved."

An old recipe for doughnuts

"Pour hog's lard in an old fashion-
ed fry pan, heated 'til she sputters
will do the trick. Then take a deep
yellow dish and put in one cup of
sugar, and if eggs don't cost over 2
cents each, put in one and the yolk
of another, and put the white away
until eggs are worth more. Then add
one cup of cow's milk without any-
thing in it except a big spoonful of
cream and a little salt and nutmeg,
then add two teaspoons of tartar and
one and a little over of soda in some
flour. Then take a big spoon and
give her Hail Columbia for about 20
seconds. Next find a good clean place
to roll them out. Fry out one at a
time, cut out with a four quart pail
cover and cut the hole with a pint
dipper with handle busted, and if
you are looking for a housekeeper,
take one of the doughnuts, hold it to
the window, and call in the first
maiden lady who comes in sight and
kiss her through the hole and she is
yours.

Best New England Johnny Cake

"Take one quart of buttermilk, one
teacup of flour, two thirds of a tea-
cupful of molasses, a little salt, one
teaspoonful of saleratus, one egg,
(beat of course). Then stir in the In-
dian meal but be sure not to put in
too much. Leave it thin, so thin that
it will almost run. Bake in a tin in
any oven, and tolerably quick. If it
is not first-rate and light, it will be
because you made it too thick with
Indian meal. Some prefer it without
the molasses."

To Make a Pye with Pippins

"Pare your pippins, and cut out the
cores, then make your coffin of crust.
Take a good handful of quinces sliced
and lay at the bottom, lay your pip-
pins on top, and fill the holes where
the core was taken out with a syrup
of quinces, and put into every pip-
pin a piece of orangado, then pour
on top the syrup of quinces, then put
in the sugar, and so close it up, let
it be very well baked, for it will ask
much soaking, especially the quinces."

In olden days maple sugar was a-
bout the consistency of brown sugar
today and was the only sugar used by

EXTENSION CLASSES

Spring Home Hygiene and First
Aid classes, under the direction of
Mrs. Mary A. Roundy, are meeting
in Amesbury, Ballardvale, West An-
dover, Peabody and Newburyport.
Women in charge of the above groups
are:

Mrs. Guy L. Bean, 13 Gardner St.,
Amesbury.

Miss Mary Bailey, Director of Voca-
tional Education, Punchard High
School, Andover.

Mr. William Mahoney, Fire Chief,
Peabody and

Mrs. Oscar Nelson, Newburyport.

Spring Food Classes being held
with Miss Esther Belair as teacher,
are: South Peabody, Essex County's
Agricultural School (2), Clifton, and
Newbury. Women in charge of the
food classes are Mrs. Warren Bum-
pus, 55 Glendale Ave., South Pea-
body, Mrs. Charles Kerans, 150 High
St., Danvers (E. C. A. S. classes);
Mrs. William Wells, 3 Columbia Rd.,
Clifton and Mrs. Bertram Savage,
Newbury.

Clothing classes under the di-
rection of Mrs. Mary McIntire, H. D. A.,
are being held in West Newbury,
Danvers and Middleton. Leaders for
the clothing classes are: Mrs. Carl
Dodge, Maine St., West Newbury,
Mrs. Rodney Seeley, Hood Rd., Dan-
vers.

Upholstery and Furniture Renova-
tion are now being organized in Ips-
wich and Newbury, with Mrs. McIn-
tire in charge. A Middleton group in
furniture renovation, postponed be-
cause of weather conditions, will be
resumed in April.

Anyone interested in any of the
above classes, may register now for
fall classes.

Mary M. McIntire

the settlers. A suggestion for your
three meals tomorrow.

Breakfast: Roast beef, warmed in
gravy, baked and stewed potatoes, hot
rolls and butter, oatmeal porridge and
milk, tea, coffee, and milk.

Dinner: Pea soup, beef steak broil-
ed rare, stewed tomatoes, baked po-
tatoes, baked sweet potatoes, mixed
pickles, apple tapioca pudding, nuts,
raisins, grapes and oranges, tea.

Tea at 6 P. M.: Bread and butter,
stewed prunes, soda and graham bis-
cuit and cheese and tea.

Family Tonic 1848

Take myrrh, 12 ounces; cayenne
pepper, 10 ounces; pickling ash berry,
2 ounces; sculpap and peach-meat 4
ounces; alcohol, one gallon. Put into
convenient vessel and shake several
times a day for 10 days. Will be
found most useful in feeble or lan-
guid states of the system, colic, hys-
teria, rheumatism, mortification, and
in all violent attacks of Disease. Dose:
a table-spoonful more or less accord-
ing to circumstances. And be it said
that great-grandad knew his circum-
stances.

Anna J. Smith

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

MARCH 1941

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanor Gray '41	Marblehead
Rita Hitchcock '42	Danvers
Margaret Kennedy '41	Lawrence
Betty Maxner '41	Beverly
Ruth Maxwell '42	Lynn
June Porst '41	Methuen
Lucy Tela '41	Lawrence

Agricultural Department

Donald Martin '41	Salem
Victor LaBranche '41	Haverhill
Burton Smith '41	Haverhill
William Hocter '41	Middleton
Robert Jackson '41	Methuen
Edmund Richards '41	Wenham
Joseph Scouller '41	Lynn

ESSEX AGGIE COWS BEING GROOMED

Several of the Advanced Dairy students have been clipping and polishing the cows for the Annual Farmers' Day. The project was suggested to and approved by Instructor Eastwood, "Bill" Hocter and "Vic" LaBranche, who did much fitting and show work in Maine, were the co-leaders of the project.

Besides the educational value to the Advanced Dairy students the public will view our herd at its best on the 27th Annual Farmers' and Homemakers' Day.

V. J. A. B.

PATRIOTIC ASSEMBLIES

On February 11 the first of two patriotic assemblies was held in honor of Abraham Lincoln. Those who took part in this assembly were Raymond Mizzi who read the Lincoln Day Proclamation. A poem, "Lincoln's Heart" read by Robert Smith; "Lincoln's Place in Literature" read by Charles Sioman.

On February 21, a program was presented by the students in honor of George Washington. Charles Sioman acted as chairman and led the assembly in singing "America", accompanied by Mr. Perkins at the piano. Sydney Barlow gave a reading "Washington as a Young Man"; "A Patriotic Creed" was read by Stanley Nelson; Robert Mizzi gave, "A Brief Review of Washington's Life". The assembly closed with the singing of "America the Beautiful".

W. H.

FARMERS' AND

HOMEMAKERS' DAY

March 19th will be a gala day in the Homemaking Department. The teachers will have exhibits of projects completed by the students during the past months of school. Visitors will be shown just what and how the girls are taught to do their tasks. After being taken from room to room they will be sure to realize the good advice we receive concerning very important problems of everyday life.

Our foods exhibit will take in Vitamins and Our Daily Food Requirements. Miss McJunkin will display information about Vitamins while Miss Emerson with the aid of posters will show just how to make our daily meals interesting.

Mrs. Dunn and Miss McJunkin will exhibit the dresses made by the Senior and High School clothing classes. Mrs. Clapp has planned to show woolen skirts, children's aprons, pajamas, boy's shirts and some Red Cross work completed by the Freshmen and Juniors.

Miss Harris has an exhibit showing present trends in Curtain and Upholstery fabrics and posters and table decorations made by the girls of the IA and IB divisions.

Handcraft work will be displayed by Miss Martin. The work of her girls comprised the making of many small articles and work with amberole, which will be shown as a raw material.

Miss Lovett will exhibit articles of lighting and lighting requirements.

Mrs. Roundy will have an exhibit of Child Care notebooks and suitable toys for babies. There will also be demonstrations on how to bathe a baby.

Mrs. Butman assisted by Miss Knipp will display attractive house care agents.

Miss Smith will show the different articles made by the students in their home project work.

The Academic exhibit will be under the direction of Miss Clarke. She will display notebooks and government bulletins on housing. History notebooks that illustrate class work as well as maps for the history study will be shown. Besides this she will have some of the books from our school library on exhibit.

A number of students will act as guides or receptionists. They are Lena Barbagallo, Frances Calvert, Velma Robinson, Claire Cadorette, Mary Belfiore, Margaret Kennedy, Lucy Tela, of Lawrence; Lila Bullock, June Porst, Claire Burgess, Doris Donze,

JUNIOR CLASS ACTIVITIES

The Junior class had its dance on the evening of March seventh. A good time was enjoyed by everyone. The Junior girls who served on the various committees were: Orchestra: Ada Fothergill and Marion Bean of Danvers; Refreshments: Helen Small, Danvers; Claire Oak, Saugus; Ticket: Virginia Rushworth, Danvers; Bette Kirwin, Peabody; Decorations: Eleanor Annis, Peabody, Dorothy Rowbottom Danvers; Matrons: Ruth Karlson, Saugus, Ruth Maxwell, Lynn.

R. M.

PUBLIC SPEAKING NEWS

The public speaking team attended the Bristol County Agricultural School contest February 17, Donald Schmidt of Bristol spoke on "The Herb Situation", and won first place. Joe Higgins also of Bristol won second place taking for his topic "The Value of Vocational Agriculture". Third place went to David Shuker of Norfolk County Agricultural School, his subject was entitled "What's this Business About the Plow".

The State contest will be held March 21, in some town near Amherst.

B. E. S.

PROJECT PLACEMENT

The first students of the Essex County Agricultural School to leave on project are Eugene Cobb, going to Groton House Farm, and Ralph Wilkins, who is going to work at the school poultry plant. Wilkins is at the plant only part time, under this arrangement he is able to attend most of his classes.

Students will be leaving school every week now until the last of April when class work will come to a close until next October.

E. R.

Barbara Bell, Reina Gumb, Bernice Marsland and Carolyn Archambault of Methuen; Kathleen Ganey, Ilene Briggs of Beverly; Marion Leach, Grace Marshall, Ruth Krankka, Eleanor Annis of Peabody; Lucille Trearmer of Lynnfield; Mary Lovely of Haverhill; Marian Peatman of Ballardvale; Gladys Robertson of Wenham; Mariel Pontius and Isabelle Weed of Lynn; Dorothy Rowbottom, Virginia Rushworth, Elaine Kennedy and Helen Small of Danvers; Louise Clark of Middleton; Christine Bruun and Irene O'Brien of Salem.

D. D.

ATHLETIC BANQUET

The eighth annual Athletic Banquet was held at the School Thursday noon, March 6 with about 65 enjoying the turkey dinner served by the Homemaking girls under the direction of Miss Emerson and Miss Martin.

Daniel J. Kelley, State Supervisor of Physical Education, Nate Ross, the popular coach of the Gloucester High School and County Commissioner C. F. Nelson Pratt were the guest speakers.

Raymond Mizzi, chairman of the Recreational Committee of the F. F. A. presided and introduced the toastmaster Instructor Eastwood. The managers of the various teams all gave short snappy speeches.

Director Harold A. Mostrom presented letters and sweaters to the following boys in Football, Cross Country, Hockey and Basketball.

FOOTBALL: Letters and Sweaters to Edward Lynch, Lawrence; Paul Goodale, Middleton; Edward Moran, Lynn; Harold Kelly, Beverly; Leo Giardino, Everett; Raymond Mizzi, Salem; Letters to: Claude Venoit, Lynn; Robert Gagnon, Lynn; Robert Conway, Peabody; Robert Jackson, Methuen; Warren Brown, Salem; Charles Bruno, Methuen; Harold Pierce, Captain of Team, Marblehead; Joseph Hogan, Salem; John Ward, Amesbury.

Numerals to: Richard Oulton, Danvers; Ralph Marshall, Gloucester; Edwin Hyde, Nahant; Robert Mizzi, Salem; and Richard Brown, Manager of the team from Swampscott.

CROSS COUNTRY: Captain Clarence Munroe, Beverly, a sweater and letter; Letters to: Ralph Reynolds, Beverly; John Keilty, Peabody; Robert Anderson, Gloucester; Anthony Allen, Lawrence; Hale Humphrey, Danvers and Robert Bradbrook of Ipswich, Manager. Numeral to Francis Pierce of Danvers.

BASKETBALL: Letters to: Joseph Scouler, Middleton; Robert Conway, Peabody; John Ward, Amesbury; Richard Harrington, Beverly. A letter and sweater to Eugene Burr of Beverly, Manager; and to Richard Snow of Gloucester.

Numerals to: Paul Egan, Beverly; William Somers, Rockport; Wallace Frost, Lynn, Richard Oulton, Danvers; and Harold Raynor of Danvers.

HOCKEY: Letters to: Ralph Wilkins, Beverly, Captain; Robert Gagnon, Lynn, Edward Lynch, Lawrence; Leo Giardino, Saugus; Emile St. Pierre, Lawrence; Robert Mizzi, Salem; Malcolm Robbins, Amesbury; Letter and sweater to: Henry Britton of Byfield and Irving Barter of Beverly.

Numerals to: Leon Dupuis, Newburyport; Anthony Allen, Lawrence; Larry Peglow, Lawrence; Norman Cobb, Beverly; Sidney Barlow, of Methuen.

NOONTIME ACTIVITIES

During the past year Mr. Cole has done a fine job in creating interest in competitive sports during the noon hour. The most popular of these being Inter-class basketball, boxing and high jumping. Other contests may include tugs of war, pole vaulting and shotput. These sports were helpful in keeping the boys in condition and giving them something as a relaxation from their daily routine in Academic activities.

R. F. J.

HEALTH SERIES

During February several films were shown at the morning assemblies through the cooperation of Coach Phillip Couhig. These were on Tuberculosis and how the germs multiply in the human body! The Care and Construction of teeth and a third one on the Human foot and the proper type of shoes to wear.

A film in technicolor was shown one morning showing how Chilean Nitrate is mined, processed and how it benefits crops and fruit trees. This film was obtained through the efforts of Mr. Wood of the Fruit Division.

D. M.

ECHO CLUB PARTY

The Echo Club recently entertained members of the faculty and F. F. A. members at an afternoon party held in the Assembly hall in the agricultural building. Miss Muriel Craven Echo Club president introduced Frederick Lutz (special guest of the afternoon) who spoke to the gathering about the life in Germany at present. Frederick is the son of the former American Consul to Frankfurt-on-Main and having spent the last seven years in Germany had a store of first-hand inside information to relate. At the close of the program, refreshments were served and general dancing enjoyed to the delightful music by Walter Coreman and his orchestra.

M. K.

HOMEMAKING ASSEMBLY

Thursday, February 20, the Homemaking Department held an assembly of Washington's birthday. Frances Calvert of Lawrence was chairman of the program and Ruth Maxwell of Lynn was the pianist. The program was as follows:

Social Life at Mount Vernon, Ilene Briggs of Beverly.

Washington's Diaries, Velma Robinson of Lawrence.

Song, "Hail, Columbia", sung by the School.

Washington at Valley Forge, Muriel Craven of Lawrence.

Song, "America the Beautiful" by School.

The program closed with a salute

HONOR ROLL

The second quarter has passed and with it comes a new list of honor roll students. The students who achieved the roll are:

Homemaking Department

High School Graduates: Lila Bullock, Methuen; Alice Cormier, Lynn; Dorothy Daly, Lawrence; Dorothy Dryden, North Andover; Kathleen Ganey, Beverly; Eleanor Gray, Marblehead; Marion Leach, Peabody; June Porst, Methuen; Lucy Tela, Lawrence; Isabelle Weed, Lynn.

Seniors: Ilene Briggs, Beverly; Reina Gumb, Bernice Marsland, Methuen; Lillian Kilgour, Newbury; Muriel Pontius, Lynn.

Juniors: Ruth Karlson, Saugus; Elaine Kennedy, Dorothy Rowbottom, Danvers; Betty Kirwin, Peabody.

Freshmen: Carolyn Archambault of Lawrence.

Agricultural Department

Seniors: Howard Bacon, Lynn; Wallace Kneeland, Topsfield, Harold Jones, Danvers; Preston Lee, Peabody; Victor LaBranche, Haverhill; Joseph Scouler, Middleton; Frank Lane, Manchester; John Ambrefe, Beverly; Ralph Wilkins, Beverly; Donald Martin, Salem; Esmond Richard, Wenham; Warren Brown, Salem; Robert Landry, Gloucester; Peter Venti, Danvers.

Juniors: Christie Mpelkas, Lynn; Lisle Sawyer, Rowley; Robert Bradbrook, Everett; Robert Smith, Lawrence; Robert Anderson, Gloucester; Robert Bertram, Salem; Richard Brown, Swampscott; Harold Kelly, Beverly; Edwin Hyde, Nahant; George Wildes, Wenham; Leo Giardino, Everett; Edward Lynch, Lawrence; Harold Raynor, Danvers; James Furey, Salem; Richard Snow, Gloucester.

Sophomores: James Boardman, Andover; Gilbert Fournier, Lawrence; Ansel Clark, Merrimac; Theodore Dichirico, Swampscott; Raymond Barlow, Frank Barlow, Methuen; James Bezanon, Wakefield; Herve Doyle, Essex; George Wilmot, Topsfield.

High School students: Donald Knott, Beverly; Paul Kent, Lawrence; Joseph Hogan, Salem; William Herrick, Rowley; Robert Little, Boxford; Richard Oulton, Danvers; Joseph Roach, Groveland; Richard Stark, Groveland; Dorothy Gourley, Beverly; Priscilla Glines, Andover; Kimon Bournazos, Haverhill; Norman Cobb, Beverly; Richard White, Lynn.

Freshmen: Coleman Lee, North Andover and Eric Haugaard, Danvers.

to the flag and the singing of the "Star Spangled Banner."

E. G.

FARMERS' AND
HOMEMAKERS' DAY

(Continued from page 1, col. 2)

The Poultrymen will have their Chick Show and Auction. Already 16 poultrymen have signified their intention of entering chicks in the show.

Some of you may have heard Dr. Edwin A. Woelffer, Manager of the H. P. Hood's Certified Farms, over the radio the other day. Whether you did or not you will want to hear him speak on "Mastitis Control" to the Dairymen as well as to hear Mr. Glen Householder of the Holstein-Friesian Association of America. Mr. Householder will speak on "How to Increase the Sale of Milk."

The Market Gardeners are to have a Panel Discussion with Prof. James W. Dayton of the State College in charge. Mr. Walter S. Hopkins, Jr. of Reading will speak on "Roadside Marketing."

There will be the usual educational exhibits in both the Agricultural and the Homemaking Buildings. The Trade exhibits will be held in the Gymnasium of the school.

As usual the 4-H Service Club will serve lunches to those of you who prefer to buy your lunch rather than bring a basket lunch.

We have purposely left until the last, about the Morning program which will open at 10.30 in the Main hall in the Agricultural Building, a meeting which we hope that all the Farmers and Homemakers will attend. Mr. Frederic Winthrop the President of the Board of Trustees will preside, there will be a welcome by our Director, Harold A. Mstrom and the guest speaker of the morning will be Dr. Hugh P. Baker, President of the Massachusetts State College.

GRADUATE PLACEMENT
AS OF 1940

(Continued from page 1, col. 3)

titian and at the completion of this course become an assistant dietitian. Hospital standards and requirements have changed in both the nursing field and that of Dietitian. Now all hospitals require their dietitians to have a college degree and a special training as well. That means that now our girls work only in the diet kitchens under the direction of a graduate dietitian and assist her in the preparation and serving of food.

Changing times open new opportunities. We know from studying these records over a period of years that next year's report on placement will be quite different from this one.

Ethel Moore,
Educational Manager
Homemaking Dept.

A REVIEW OF
"NEWS WRITING"

"News Writing" by Leo Borak is a book that would help even the amateur interested in journalistic work.

News writing is an art that can be obtained by careful discrimination. In order to secure the greatest value from the newspapers one must learn to read them intelligently, we not only learn what is happening; but we also begin to appreciate and designate the good and the bad of news-writing. American newspapers have been highly criticized as lacking in accuracy, trivial in content, and sensational in style. Fortunately, these faults are not representative of all American newspapers. Good newspapers outnumber the faulty ones.

Good papers are built around successful reporters. An intelligent reporter is alert and alive to what is happening in the world. He must be able to know where news is to be found, and how to recognize it. The trained observer never lets news escape his eye. One of the traits of a good reporter is the recognition of the lively interests in people and things. A journalistic career carries with it several difficulties and many fundamental characteristics which are essential features of a good reporter. A few of them are accuracy, initiative, energy, tact, ambition, carefulness and loyalty.

A very essential requisite of any good newspaper is accuracy. A paper that exaggerates or distorts facts soon loses the confidence of its readers. Several interesting facts go to make up news values. People are always looking for something above the common level. The reporter who enjoys his work looks for interesting things and makes his stories readable.

Sentiment is another characteristic that adds to news value. It appeals to common human emotions arousing sympathy and interest. Stories of opportunities and achievements in the various professions have a definite appeal to the readers who wish to improve.

There are two kinds of news—expected and unexpected. All the expected events are gathered by the editors. Unheralded events have higher news values than scheduled happening. The good reporter is always on the lookout for unexpected occurrences.

Interviews play an important part in the life of a reporter. Several requirements are necessary to obtain interesting interviews, he must have a knowledge of the career of the person to be interviewed and an understanding of the inquiries he is to make. A pleasing personality and an attractive appearance help in winning the confidence of the person to be interviewed.

A keen recognition of news is an important asset. Very often a person

GARDEN CHAT

Spring is just around the corner. Are you ready for it? Have you the garden planned for 1941? Send to the school for your copy of a proposed 50' x 100' vegetable garden plan which would meet the needs of the average size home. There will be vegetables to eat fresh, some to can, and some to store for your needs next winter. The home having an average or low income could well afford to help out on the budget. Raise some of your own food and you'll agree that there is nothing better than real fresh vegetables on your own table, higher in quality than any you buy from the stores. In the future, the folks who produce a part of their food needs will be better off in life than those who are not full time employed and perhaps who are living on the government. Why not get started this season and have the jump towards a more satisfying living!

Many of our seeds are scarce and are listed in the catalogs at higher prices. It would be well to buy seed for this coming year from those seed houses which test their seed and let you know the germination on the package. In other words, if a certain variety of seed germinates 68% as stamped on the package, you can sow seed accordingly, and thereby prevent a poor stand of crop. Where some varieties of vegetables are scarce, some seed might be sold that is old and of poor germination.

If you have a small garden and a compost pile of leaves and other organic matter in the back yard, try burying this material in the trenches as you fork up the garden. This material in the soil will add plant food and above all help greatly in holding moisture for the needs of plants.

The question is often asked, "what crops can be planted to make a dollar this year?" That's just the question everyone would like to know and therefore plant heavily in that crop. The wisest advice that might be offered is to plant about the same acreage of each crop year after year, and one is sure to hit one or two crops that may pay better than others to help pay the bills.

C. M. Stearns

who guides his statements with the greatest care may drop a hint around which an intelligent reporter may be able to build up a good story.

News writing is a steadfast profession. Perseverance and determination are two essential requirements. A reporter must have the courage to face rebuffs and to control his temper. He should always remember that "He is his paper."

L. T.



4 - H CLUB NOTES



JUNIOR 4-H SEWING MACHINE CONTEST

This contest is open to 4-H Clothing Club girls 11-13 years of age, who have had some experience in the use of the electric sewing machine. The purpose is to interest younger girls in preparing for Senior 4-H Sewing Machine Contest, and to encourage higher standards of machine work. For the Contest:

1. Each girl should bring one completed garment which she has made in the 4-H Club year. This should have some machine stitching on it and should be labeled with name, age, and year of clothing club work.

2. During the contest, each girl will:

- a. Make at least 2 stitching charts (machine unthreaded).

- b. Stitch 5 parallel lines the width of the presser foot apart.

- c. Stitch 4 sample seams—notched, French, ready-made, stitched flat fell.

- d. Judge samples of machine stitching.

Awards will be given to girls who do the best work. Date of the contest will be announced soon.

4-H EXHIBITS—FARMERS' DAY

"4-H Faces National Defense" and exhibits, to point out how, will be displayed in a special 4-H Club Room on Farmers' Day. There will be four major divisions:

1. Defense via Better Family Living.

- a. Home Furnishing (Mrs. Pauline Blackburn, Groveland, and Miss Wilma Welch, Danvers.)

- b. Food ("Kitchen Cabinet" Boys' 4-H Food Club, Beverly).

- c. Clothing (Mrs. Arvid Molitor, Danvers).

2. Defense via Better Farm Living.

- a. Poultry (Robert Hines and Robert Michell, Saugus).

- b. Dairy (Lyman Orcutt, West Newbury).

- c. Gardening (Coleman Lee, North Andover).

3. Defense via Health.

- a. Camp Leslie Miniature.

- b. Camp Craft (Allene Dozier and Eleanor Thurston, Lynn).

4. Defense via Citizenship (educational exhibit).

There will also be an exhibit of metal craft by Miss Frances Hartmann of Andover, who will be working on metal during the day.

Two 4-H Lunch Counters will be set up by the Service Club, under the able direction of Mrs. Henry Albrecht and Mrs. Joseph Croft.

LENTEN MENU

During the Lenten season most housewives are looking for appropriate menus for their families. Eggs are plentiful now and are low in price. With these thoughts in mind we are printing a Lenten menu in this month's issue of the Farmer and Homemaker.

Tomato Juice, Crackers
Macaroni Mousse, Mushroom Sauce
String Beans, Fruit Salad
Butter Scotch Roulettes
Pineapple Circles with Lemon Sauce
and Whipped Cream

Macaroni Mousse

1½ cups scalded milk

¼ cup melted butter

3 eggs well beaten

1 pimento chopped fine

1 cup cooked elbow macaroni

1 sweet green pepper, chopped fine

1 tablespoon chopped onion

½ tablespoon salt

1 cup soft bread crumbs

½ cup mild cheese, cut fine

Combine ingredients in order given, reserving ½ cup crumbs. Sprinkle top with reserved crumbs. Bake 40 minutes in casserole set in pan of hot water. Use moderate oven (350°) F.

Mushroom Sauce

4 tablespoons fat

4 tablespoons flour

2 cups stock

1 cup mushrooms, fresh or canned

Salt and pepper

Make a brown sauce of the fat, flour and stock. Add one cup mushrooms and cook until hot. If mushrooms are over cooked they will become tough. Three or four minutes is sufficient for those that have been canned and five or six minutes for fresh ones.

This sauce is used with any kind of roasted, broiled or braised meat, particularly with beef, and is especially good with macaroni mousse.

L. B.

OBTAINED MILK TESTERS LICENSES

On February 19 to 21 inclusive Mr. J. T. Howard of the Massachusetts Department of Agriculture, conducted the examination for milk testing to several of the Advanced Dairy students. The license is permanent and gives one the right to test milk or cream for butterfat content.

The following students obtained their milk testers license: Donald Martin, Victor LaBranche, William Hocter, Edmund Richard, Burton Smith, Robert Jackson, Eugene Cobb and John Adams.

V. LaB.

ANDOVER CLUBS GET-TOGETHER

All the clubs of Andover met at the Log Cabin on Highland Road, Andover, on Tuesday, February 25, for an afternoon of games and songs and general good time. About 30 club members and leaders were present.

After a mixer, "Who Am I" the group tried their skill at a set of skill games similar to the ones outlined by Mr. Loy in "Games for Clubs". A sparkling fire in the fireplace made the cabin warm and cheerful. After some singing games and relays, the group settled down to a box supper, hot cocoa, and ice cream.

Mr. Horace J. Shute (retiring Club Agent), Mrs. Shute, and Miss Ida Davis, assistant Club Agent were there. The Andover Club Leaders present were: Mrs. G. Richard Abbott, Mrs. L. V. O'Connor, Mrs. H. Irving Newman, and Miss Frances Hartmann.

STAFF NOTES

During the past month two parties were held by the members of the staff. One was at the home of Mr. and Mrs. Fred Chase in Topsfield, and was in the form of a miscellaneous shower for Miss Marion Bettencourt. Miss Bettencourt's engagement was recently announced to Clifton Potter of Beverly. This party was attended by the girls in the office.

The second party was attended by nearly all the members of the staff and their wives or husbands as the case might be. This party was held at Wheelers' in Danvers and took the form of a farewell party to Mr. and Mrs. Horace J. Shute.

Following the supper a camera was given to Horace from the staff and a light meter to go with his camera was given him by the alumni association. Mrs. Shute known to all as "Vi" was presented with a lovely bouquet of flowers from the staff and a fitted leather manicure case from the alumni. Life memberships in the Alumni Association were given to both. Mr. Metcalf did the honors for the staff and Joseph Cassano, President of the Alumni made the presentations for the association.

Best Wishes go from all to Mr. and Mrs. Shute in their new venture.

IRON

A sandwich made from whole wheat bread contains twice as much iron as one made from white bread. Iron is one of the most difficult elements to get into the diet in adequate amounts.

ESSEX FARMER AND HOME MAKER

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HATHORNE, MASS., APRIL, 1941

NO. 4

Whence These Names?

A study of the sources of many words in the English language today reveals many interesting personages and customs.

The Earl of Sandwich, an English nobleman of the eighteenth century devoted most of his time to gambling. So intent was he on this pursuit that he begrudged the time necessary for meals. His solution was a plan to do the two things at once—eat and play cards; so he devised the idea of his servant bringing him his meat between slices of bread. So today "sandwiches" are served when one wishes to eliminate the processes of meal serving.

"Timothy" (hay) was so named from Timothy Hanson who carried the seed from New York to Carolina in the early 1700's.

The "Bartlett" pear was named for Enoch Bartlett, an early settler in Dorchester, Massachusetts, while the "gardenia" was named for Alexander Garden, an American botanist who lived in the 1700's.

That the "dahlia" was named for Dahl, the Swedish botanist is probably much better known.

The "derrick", that piece of mechanical apparatus that is used for lifting heavy objects was named for Master Derrick, the hangman at Tyburn. Apparently the gallows which he used somewhat resembled the early form of today's lifting device.

Richard Hakluyt in his book that told of the discoveries of the English nation used such Indian words as "tomato," "maize", and "hammock"—words not known to the English before that time, while John Smith's descriptions of the settlement of Virginia show many words borrowed from the Indians. The Indians wore "moccasins", they used "tomahawks", they ate "hominy", and they hunted the "opossum" and "raccoon".

The "cardigan", so popular today was so-called from the Earl of Cardigan who in his day made popular a short jacket of knitted wool.

Yes, indeed, our language is most interesting, else it wouldn't contain such words as "bowie" knife, "Gladstone" bag, "Melba" toast, "Winchester" rifle, "silhouette", "nicotine", "marcel" wave, "mansard" roof, or an "Annie Oakley".

Verna L. Clarke,
Div. Head Academic Dept.

National Defense Keynote of Farm And Home Day

National Defense through Agriculture was the thought throughout Farm and Home Day, March 19 here at Essex Aggie. Dr. Hugh P. Baker, President of the Massachusetts State College was the guest speaker of the



Dr. Hugh P. Baker

morning and night almost have been called "The Keynote Speaker". Dr. Baker's only reference to the war was when he made a statement favoring all-out aid to England, "because we cannot continue the way of life we prize so dearly so long as the totalitarian powers flourish."

"While dictators rule, war is inevitable; I want to see our way of life prevail". He also said that he hoped that the state colleges and the county agricultural schools would "turn back more and more boys and girls to the land because farming is one of the most satisfactory modes of living, one that typifies American resourcefulness and independence."

In spite of the frigid air out of doors we had a large attendance at all the meetings. Count was taken and it was estimated that about 100 were in attendance at the various sectional meetings with 200 at the women's meetings.

All who heard Miss Davidson from Highmead Nurseries enjoyed her timely advice and the pictures that Dr. Gutowska showed of Poland were

(Continued on page 4, col. 3)

Spring Fashion Trends

Not so long ago American designers looked to Paris to lead them but since the fall of Paris they have from necessity been on their own and so styles this spring are definitely by America for America.

It is interesting to study and note some of the influences that have gone into these styles.

As a nation we are in sympathy with Greece and China and so designers have borrowed ideas from each one of these countries. From Greece comes the tendency toward more supple lines and Grecian drapery for evening wear. From China comes the loose coolie jacket, kimono sleeves, frog fastenings and pagoda hats.

Designers have gone to Mexico and South America for ideas, which fact explains the names of colors such as these; pueblo brown, cactus green, clay tans and terra cotta red. Some of the spring hats seem definitely Mexican also.

Americans are this spring very partial to army and navy ideas in the matter of clothes and to show their allegiance to the national colors, the red, white and blue, they are combining these colors all in one costume in many pleasing ways.

Abbie Clapp,
Instructor of Clothing

OUTSTANDING SENIORS

Several members of the class of 1941 have made enviable records during their three or four years at the School.

Among the four year seniors Harold Jones of Danvers has had the highest rating, having made the honor roll ten terms in a possible twelve. John Adams of Georgetown and Joseph Scouller of Middleton attained the honor roll eight times while George Banks of Saugus and Frank Lane of Manchester received honor roll ratings six times.

In the three year group four Seniors, Howard Bacon of Lynn, Robert Landry of Gloucester, Victor LaBranche of Haverhill and Warren Brown of Salem won honor roll ratings eight terms out of nine. Four students received honor ratings seven terms, they are John Ambrefe of Beverly, Henry Britton of Byfield, Henry Lay of Merrimac and Preston Lee of Peabody, while Wallace Kneeland of Topsfield and Peter Venti of Venti of Danvers received honor roll ratings six times.

G. E. G.

GARDENIAS

Inquiries indicate interest in Gardenias as potted house plants. The interest is understandable; the form and fragrance of the flowers, the high gloss of the leaves, and the air of health and vitality of a Gardenia as it comes from the grower all make an instant appeal to the lover of fine plants.

The purchaser, or recipient, of a Gardenia ought to realize that the plant has had the expert care of an experienced grower under ideal growing conditions in order that the product might be of superior quality. For this reason the new owner ought to know what conditions he must strive to provide if he would extend the life of the plant and of his enjoyment of it.

Gardenias demand abundant sunshine, humid air, perfect drainage, uniform moisture at the roots, and a soil of acid reaction. They call for a day temperature of 70 to 75° F. and a night temperature of 58 to 62°.

A common soil mixture consists of three parts composted loam, one part well rotted manure, and one part acid peat, with sufficient sand to insure the free passage of water. Acidity may be maintained by placing peat on soil in pot, renewing it occasionally, and by adding a quarter teaspoonful alum (aluminum sulphate) monthly per six inch pot, varying the amount with the size of the pot and the vigor of the plant. About pH 5.5 to 6.5 seems to suit the Gardenia. A better practice is to apply some of the new acid plant food now on the market.

Syringing with tap water at the sink on every bright day will keep a Gardenia free from mealy bugs.

Gardenias find house conditions difficult but are worth all the trouble it takes to keep them blooming.

H. Linwood White,
Instructor in Floriculture

sonable. If one could figure the returns in dollars and cents from high milk production and length of life of the average cow in his herd there should be no doubt as to the benefits of such an Association. The life of an average cow in a commercial herd in Essex County is 2½-3 years and the life of an average cow in an Association herd is 5 years and over. In time this should increase as more progress is made.

About 70 percent of the dairy farmers at the time of joining the Bristol County Association were buying all their replacements but when they joined the Association and began using this superior germ plasma they started raising all their calves.

These Associations have increased in both number and size as farmers realize their value. Anyone who wishes information on Herd Health and Artificial Insemination should contact their County Agent.

Kenneth Forman,
Dairy Instructor

HERD HEALTH ASSOCIATIONS
REDUCE COST OF
MILK PRODUCTION

How is the health of your Dairy Herd? Is every cow in your herd producing a living calf each year? In certain sections of Massachusetts dairymen have organized into Associations. The purpose of these associations is to improve the health of the dairy cows in each herd, so that each cow is a profitable unit in the herd.

These dairy farmers are finding it more profitable to raise good dairy calves by joining these Artificial Insemination groups.

A veterinarian is hired by each Association. He visits each members' herd once a month making periodic physical examinations of each cow in the herd and treating any cows that need treatment. There is a health record sheet kept on each cow. The veterinarian fills in any information on one side of the form and leaves the record with the farmer. The farmer is instructed on how to carry out Control Measures and how to treat certain cows that need persistent treatment.

The veterinarian shows the farmer how to control any disease that he is confronted with. According to good veterinary authority all herds have a certain amount of mastitis and breeding troubles. By controlling these diseases a farmer is in a position to keep his production of milk up to a maximum and his bacteria count down to a minimum.

If a farmer has some trouble with cows that fail to breed, lose calves, retain placenta, have udder trouble, or shortage of milk, he may be interested in solving some of the following problems such as: 1. How to control mastitis. 2. How to control contagious abortion. 3. The control of calf scours and calf pneumonia. 4. How to treat and control vaginitis and other genital diseases. 5. What to do in case of acute bloat, milk fever, acetoneemia, foot rot, etc.

The farmer who is willing to follow instructions and can cooperate with the veterinarian in keeping his herd in the best of physical condition can not afford not to join a Herd Health Association.

A farmer who has been coached by a good veterinarian knows what to do in emergencies, can quite often save the life of an animal.

A farmer who diligently keeps a breeding record and knows the abnormal condition from the normal can give his veterinarian great assistance in helping him keep disease under control. A farmer should know as much about the veterinary profession as a nurse does about the medical and should cooperate with the veterinarian in the same manner.

The usual charge for membership in these Associations is one dollar per breeding animal for six months. The expense in connection with some of these Associations is very rea-

Essex Farmer
and Homemaker

HATHORNE, MASS.

Published Monthly by the Trustees of the Essex County Agricultural School

A MONTHLY PUBLICATION

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Secretary, R. H. Campbell	Topsfield

RADIO LOG OVER
WLAW AT 12.15

Apr. 22—Miss Margaret Harris
"Do's and Dont's in Home Decoration."
Apr. 29—Mr. Cartwright
"Contribution of Our Forests for National Defense."
May 6—County Agent, F. C. Smith
"Money in Dairying."
May 13—Mrs. McIntire and Miss Lawler
"Program Planning."
May 20—Miss Davis and some of the Winners of Girls' Day
May 27—Edwin Hyde and Burton Smith
"Producing Quality Milk."
May 15 over WHDH at 11.15 Mrs. James McNiff
"Child Guidance."

GARDENS AND CHILDREN

If the youngsters have a chance to help plan and plant the garden, and perhaps even sell some of the surplus produce for pocket money, they'll take more interest in the garden, and won't mind weeding so much.

ESSEX FARMER AND HOMEMAKER

SUPPLEMENT

SCHOOL NOTES

APRIL, 1941

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanore Gray '41	Marblehead
Rita Hitchcock '42	Danvers
Margaret Kennedy '41	Lawrence
Ruth Maxwell '42	Lynn
June Porst '41	Methuen
Lucy Tela '41	Lawrence

Agricultural Department

Donald Martin '41	Salem
Victor LaBranche '41	Haverhill
Burton Smith '41	Haverhill
William Hocter '41	Middleton
Robert Jackson '41	Methuen
Edmund Richards '41	Wenham
Joseph Scouller '41	Lynn

FOODS CLUB TRIP

On Saturday, March 29, Mr. Cartwright and four members of the Foods Club enjoyed a trip to Dutton Brothers' Maple Syrup Orchards, South Deerfield, New Hampshire.

Here we saw the process of making maple syrup. Mr. Dutton explained how a tree is tapped. He said that one should not tap a tree directly above where the tree was tapped the previous year, as the wood is probably dead about 6 to 8 inches above and below this point.

Next we saw the gathering tank which is mounted on a drag. Three tankfulls are gathered each day, the tank holds five barrels.

The sap is emptied into a tank outside and then run to another tank in the shed. From the second tank the sap goes to the evaporator. The depth of the sap in the evaporator is controlled by a float. The bottom of the evaporator is corrugated to give it more heating surface. The evaporator is divided into compartments, the sap comes in at one end, works through the different compartments and is drawn off at the other end. Mr. Dutton evaporates between 70 and 80 gallons of sap an hour.

To tell when the syrup is done Mr. Dutton uses a thermometer. The syrup boils at 219° F. The syrup is strained through a felt bag and put in gallon cans.

T. A. L.

FORMER AGGIE STUDENTS IN THE SERVICE OF THEIR COUNTRY

During the past six months the school has received word from the following boys in the service:

Warren Towne of Beverly is a seaman on the U. S. S. Dixie, U. S. N. Paul Bubier of Rowley; D. Woodward of Salem, and Bradford Webb of Andover are all at Camp Edwards, Bourne, Mass. Kenneth McBride of Beverly is with the 60th Pursuit Squadron, Mitchell Field, Long Island. Private William Lane of Manchester, is with Battery D, 65th Coast Artillery, Camp Haan, Riverside, California.

The following boys are known to be in the service but as yet their addresses are unknown. Any information about these and other former students in the service will be greatly appreciated by the editorial board. John Broderick, Lynn; Warren French Lynn; Richard Colby, Haverhill; Norman Allen, Ipswich; are all in the Army. Meryle Shaw is in a Southern Camp studying aviation.

R. F. J.

STATE FLAG

Recently the Essex County Agricultural School came into possession of a State flag. This flag which has been placed on the stage of the assembly hall opposite our American flag is white with a blue state emblem.

It is a distinct addition and improves the appearance of the stage and auditorium.

W. P.

IRISH COBBLERS

Irish Cobbler seed potatoes led the nation's production in 1940, with a total of 4,888,605 bushels.

KNITTERS

A Red Cross knitting contest is on between the boys and girls of a 4-H clothing club in Raynham. Last reports to the state 4-H office at Massachusetts State College said the boys were way ahead of the girls.

ASHES FOR THE GARDEN

Coal ashes will help lighten a heavy clay soil, but they have little if any value as a fertilizer. Hardwood ashes, however, may contain as much as 7 per cent potash and some lime, if it isn't bleached out by rain.

LAST JOINT ASSEMBLY

The students had their last joint assembly of this school year on Tuesday, March 25. The principal speaker of the occasion was Prof. Charles Whitney of Danvers, a former professor of art at Salem State Teachers' College. He gave a very interesting talk on birds. While he was talking he drew beautiful pictures on the blackboard to accompany his lecture. Also, he showed pictures he had painted in colors on small cards of various birds. This, the concluding assembly of the year proved, to be one of our most interesting.

E. G.

TRIP TO J. J. SQUIRE & CO.

The Dairy Farming Class accompanied by Instructors Forman, Gregg and Cole recently enjoyed a trip through the J. P. Squire and Co. plant as well as the New England Dressed Meat and Wool plant in Somerville.

The boys were much interested in the various processes and the care that is used in handling the animals so that there will be no broken legs or bruises on the meat.

HARD BOILED PENGUINS

Add this to your list of how to serve hard boiled eggs more attractively.

First hard boil your eggs and remove shells. Cut a one-eighth inch piece of carrot into two triangles about one-half inch on all sides. Since these are Mr. Penguins feet we web the front of each triangle and place the egg upright on these pieces. For wings cut one whole black olive in halves and fasten on either side of egg with toothpicks. Another whole ripe olive serves as the head with cloves for eyes and a piece of carrot for nose.

These can be served quite as well at a child's party or as a main part of a salad.

J. P.

JUNIOR CLASS GARDENING

On April first, the Junior girls started their gardening classes. They were given several instructions sheets and had a test on identifying twenty-five different plants. The rest of the afternoon was spent in learning the objectives of the class.

All of the Juniors enjoyed the start of their classes and are looking forward to more interesting classes with Mr. White.

R. E. M.

HONOR ROLL

The third term honor roll for the Agricultural students was announced the other day and the following are on the list: Seniors: Howard Bacon, Victor LaBranche, John Ambrefe, Joseph Scouller, Harold Jones, Preston Lee, Henry Lay, Donald Martin, Ralph Wilkins, Edmund Richard, Henry Briton, George Banks, Wallace Kneeland, Robert Landry, Forest Reynolds, Warren Brown, John Adams, Burton Smith, Harold Pierce.

Juniors: Christie Mpelkas, Lisle Sawyer, Ralph Reynolds, Robert Smith, Richard Brown, Robert Anderson, Eugene Burr, Robert Bradbrook, Harold Kelley, Robert Bertram, Robert Mahoney, Edwin Hyde, Edward Lynch, Thomas Blanche, Raymond Mizzi, Leo Giardino, William Thomas, John Keilty, Harold Raynor, Wallace Frost, Wilfred Robidoux, George Wildes.

Sophomores: James Boardman, Gilbert Fournier, James Bezanson, Raymond Barlow, Leonard McKay, Herve Doyle, George Wilmot, James Anderson, Ansel Clark, Richard Thomas.

II X and II Y Class: Priscilla Glines, Paul Kent, Kimon Bournazov, Joseph Roche, Norman Cobb, Joseph Hogan, Richard Oulton, Dorothy Gourley, Richard Stark, Douglas Wheeler, Robert Little, Anthony Allen.

Freshmen: George Emerson, Coleman Lee, Joseph Riette, John True, and Leo Dubois.

MASSACHUSETTS FARMERS TO SELL TO ARMY POSTS

New Produce Buying System Explained

Fresh fruits and vegetables right from the farm are to be liberally supplied in the soldier's daily diet under a new fresh produce buying system for army posts.

Ellsworth W. Bell, Massachusetts State College marketing specialist, in an explanation of how the new army purchasing system affects Massachusetts farmers, says that a central produce buying office is being set up in the Boston Terminal Market Building. Lieutenant N. P. Spear, of the Quartermaster Corps will be in charge of buying operations, assisted by an experienced civilian produce buyer.

Produce buying is scheduled to start May 1, and purchases will be made daily, weekly, or monthly, as needed. All sales will be made on competitive bids, the price to include delivery to an army post. All produce sold to the army post must meet federal standards and grades.

A Massachusetts grower wishing to sell a shipment of produce to an army post should contact the buying officer at least three days in advance of the delivery date. Further information on the new army purchase program may be obtained from your county extension agent at Hathorne.

"PEGGY COVERS THE NEWS"

By Emma Bugbee

When a person mentions his vocation as that of a news reporter to some person it immediately acts as a magic wand waved over some one. The person then expresses his desire to have been or to be a reporter invariably adding, "It must be such interesting work. You must meet so many people." This is something the reporter soon learns to grin and bear.

This book does not just seek to inform you as to the romantic, exciting, and interesting phases of the work, but also the plain everyday jobs that have to be done to make up a newspaper.

Peggy is the most successful college reporter the New York "Star" has ever had, but we soon find out that just getting a small foothold in the big cog of the Star is not enough.

As a college correspondent covering Martha Washington's college activities she gets her start in newspaper work. Hoping someday to become a reporter on this paper, Peggy is always on the alert and does many small jobs for the chief, thus gaining experience. She is greatly helped by the "Star's" only woman reporter, Kate Morrison. Kate brings home the fate to Peggy that editors are against hiring more than one woman reporter. She tells Peggy of the real life a reporter lives. His time is never his own as he is always open to calls from his chief. Many times he works nights and sleeps days. He soon loses friends because they get tired of the reply that if he doesn't have to do something else he'll come to dinner. He never has regular meal hours but grabs a sandwich when he can. He must go out in all kinds of weather which might result in a fool's errand. The pay is many times poor and you must dress well in order to meet people. Also the cost of living is high.

When Peggy applies after graduation for a position on the "Star" she is refused in spite of the good work she has done. Peggy then goes to Maine to work for the summer on a society column keeping in touch with the Star for important news. Then Peggy's big chance comes. She scoops every paper on one of the biggest stories of the year thus winning a position on the staff of the "Star" after the resignation of Kate Morrison.

Reviewed by E. G.

NOW BADMINTON

Mr. Cole has again turned around to find an interesting game for the students to compete. This time it is Badminton, a game played somewhat like tennis. The net is higher, the racket is longer and instead of a ball a feathered shuttlecock is used. The boys are just learning but already interest is strong. Some of the more promising boys are: Anthony Allen, Richard Snow, Lawrence Dearborn, Warren Brown, and Robert Landry.

R. F. J.

STAFF NOTES

At the last joint staff meeting three news members of the Staff were introduced. Miss Katherine M. Lawler, Home Demonstration Agent, formerly of Greenfield, Franklin County; Miss Dorothy West, of Revere, who is serving her six weeks of Junior Apprenticeship teaching from Framingham State Teachers' College here at Essex Aggie. Mr. Byron Colby formerly assistant 4-H Club Agent at Middlesex and now Club Agent here in Essex County.

Miss Lawler is a graduate of Simmons College, School of Home Economics, B. S. degree, 1925. Miss Lawler was Clothing Instructor for the White Sewing Machine Co., in Springfield for three years, taught ten years as Home Economics teacher in the Greenfield Junior High School as well as charge of Summer Canning and Garden Leader for 4-H. The past three and a half years Miss Lawler has been County Home Demonstration Agent for Franklin County.

Mr. Colby was born and brought up on a Dairy and Poultry farm and spent most of his farm life in Plainfield, New Hampshire. Attended Kimball Union Academy, graduated from University of New Hampshire in 1936 with B. S. Degree in Animal Husbandry.

Was first employed for two and a half years with a utility company applying electricity to the farms in N. H. For the past two and a half years was Associate 4-H Club Agent for Middlesex County. Mr. Colby met his wife while in college and they were married in August 1940.

Mr. Colby says and Miss Lawler joins him in saying "They are anxious to meet Essex County people, leaders and members of their various groups and are ready to be of assist- to all who wish information."

REPORT ON SURPLUS CARROTS

A total of 37 car loads of carrots were shipped from Danvers. This was 18,494 bushels. One car of 500 bushels was shipped from Newburyport. This made a grand total of 18,994 bushels and 28 growers participated in this purchasing program. The first car left Danvers on January 21 and the last one on March 7.

There are still a few of the Carrot Recipe bulletins left. Anyone wishing a copy may have it by writing to the School for a copy.

Any Vegetable Grower wishing a copy of the Monthly Vegetable Pest Control Calendar may have a copy by writing in for it to Caltan O. Cartwright here at Hathorne.

ELM LEAF BEETLE

During the next few weeks many homemakers will observe small brownish green elm leaf beetles on the inside of windows and screens. However there is no occasion for alarm as these beetles are not known to injure any household articles. They are just emerging from hibernating quarters in dry sheltered places and are ready to feed a little on the opening elm buds and to reproduce a hundred-fold. The homemaker will aid greatly in preserving our beautiful elms by destroying these beetles.

The elm leaf beetle is a serious pest of elms in this state. Last year many beautiful elms were completely defoliated and in consequence their weak condition is predisposing to winter killing and disease. A repetition of last year's heavy infestation without adequate control will result in the death of many of our stately elms.

After leaving their hibernating quarters, the beetles mate and the females begin to lay their eggs in small clusters on the under side of the leaves. The eggs hatch in about a week. During early June, the tiny black larvae begin to appear and feed on the lower surface of the leaves, eating all the green tissue and leaving only the veins and the upper surface. It is this type of feeding that is so injurious, the earlier feeding of the adults not being important. In early July the larvae become full grown, crawl down or drop from the tree and transform into bright yellow pupae on the ground at the base of the tree, in near-by cracks and crevices, under loose bark, or in bark crevices. In about 10 days the beetles appear. They presently begin feeding but cause no material damage at this time. With the approach of cold weather, the beetles seek shelter and hibernation quarters. One generation a year is usual in Massachusetts.

Control. The usual recommendation is to spray the trees with lead arsenate as soon as they reach full foliage. The spray should be directed to the under side of the leaves where the larvae feed. During very severe infestations it would be advisable to spray twice. The first application should be made when the leaves are about three-quarters grown while the overwintered adults are still feeding and laying their eggs. A second spray should be applied when the young larvae are appearing, about three weeks later, at which time the tree will probably have all its foliage and the entire leaf surface may be poisoned. This is normally in early June. Lead arsenate is recommended in the proportion of 5 pounds to 100 gallons of water with 1 1/4 pints of fish oil or raw linseed oil added as a sticker.

Make sure the elm trees in your town are adequately sprayed at the right times.

James F. Gallant,
Science Instructor

GARDEN CAT

April, the month of planting vegetable seeds, is here once more and with it, the beginning of garden problems for 1941. How often amateur gardeners think, that when it's time to sow seed, any and all kinds of vegetables may be sown during April. This is not true. Only the hardy vegetables can be seeded now; such as, peas, beets, carrots, spinach, parsnips, onions and any others that will not be damaged from late frosts and cold weather. Crops like beans, squash, cucumbers, and tomatoes must be held off till warmer weather before sowing seed or setting plants; say, around the 20th of May to the 1st of June.

Recently, I have been told by a man that he planted all his crops in rows the same distances apart. If he planted his rows wide enough to take care of running plants; such as tomatoes or cukes, he might have been all right except that he wasted much land from which he should have received other crop returns. If he planted his rows near together, some crops would have been much too close and the yields would have been affected materially. Many of the seed catalogs contain tables describing distances of planting the various vegetables,—why not check up on these if you are in doubt?

Generally speaking, folks who sow seeds by hand use too much or too little. Particularly have I noticed this to be true with carrots when too much seed was used and with peas or beans where too little seed was used. True, some seed germinates better than some others and perhaps you can blame the good or poor stand of seedlings on the seed. Many seed houses print on the package the percentage of germination and when this is available one can sow accordingly. I am a firm believer in having plenty of seed in the ground as it is much cheaper and easier to pull a plant out of the ground than it is to transplant one. Here, again, why not refer to the seed catalog table for the amount of seed to be used per 100 ft. of row.

Just recently a man has told me that he could not control cabbage maggots successfully and perhaps you have been in the same position. I suggested that he use corrosive sublimate at the rate of 1-4 oz. per 2 1-2 gals. of water, or one oz. per ten gals. of water. Apply 1-3 to 1-2 cup of the liquid per plant about ten days after setting the plants out in the field, and repeat the same application a week or ten days later. Further conversation with this man brought out the fact that he had tried this control but at the wrong time; that is at time of setting the plants (which was too soon), and another time when the plants showed signs of wilting, or in other words when the maggots were feeding on the plant roots (which was too late). Remember that

ADVISORY COUNCIL MEETING

The Women's Advisory Council met at the School on April 9th, with twenty-five ladies present. Miss Katherine M. Lawler who has recently come to Essex County as Home Demonstration Agent was introduced by Mrs. McIntire.

Mrs. Annette Herr, State Extension Agent was present and assisted in the planning of the summer and fall program. Mrs. Bertram Savage of Newbury, vice-president of the council was the presiding officer as Mrs. Arthur Olson of Manchester, president of the council was absent due to illness.

The Council voted to change the date of meeting of the Council from the second Wednesday so that the regular meetings of the Council will be held on the THIRD Wednesday of September, November, January, March and May.

Mrs. Herr spoke of the subject for study this year which was voted upon at the Worcester meeting "Opportunities for and Responsibilities in the Defense Program." This program stresses the Health Programs Within the Community.

Plans for the Food Preservation Classes to be held in Topsfield and Newbury during the summer were discussed. The dates are July 8 and 22, August 5 and 19 for Topsfield with a date in September to be announced. July 9 and 23, August 6 and 20 for Newbury and the September date to be announced. Prof. William Cole of the State College will be in charge of the classes. These classes will be at 1.30 the place of meeting in these towns will be announced at a later date.

School Lunch programs and Well Child Conference were discussed. Mrs. Savage and a number of other who had attended the Rural Policy meetings discussed the programs that had been studied.

Better Homes Day will be held here at Essex Aggie on Wednesday, June 11 and all members of the Advisory Council will be considered on the reception committee as well as each one a member of the committee to spread the news in their community that Better Homes Day is for the women of Essex County.

During the coming months Mrs. McIntire and Miss Lawler will be in each community at sometime so that Miss Lawler may become acquainted.

Any information you wish regarding classes will be gladly answered by either of our Home Demonstration Agents. Just write or phone.

the liquid should be applied at the time the flies are about laying eggs so that the flies or eggs will be destroyed.

C. M. Stearns.



4 - H CLUB NOTES



4-H GARDEN CLUBS ARE ORGANIZING

Have you a 4-H Garden Club in your town? There are clubs in the following towns with their leaders: West Newbury, Mrs. Mabel Adams; Groveland, Robert Chabot. Methuen, Martin Sevoian; Rowley, Stanley Gregory; Andover, girls' club led by Miss Marion Davies, boys' club led by David Segestrom; Topsfield, Alton Parker; Danvers, Clyde Crofts, two clubs in Saugus one is led by George Hoffman, the second by Charles Stedman.

When does your club start? Notify the County Club Agent as to the leader's name.

B. C.

WILD ROSE CLUB

On March 26, the Wild Rose Club of Danvers, a music club led by Esther Usher, sang a group of songs on the monthly 4-H radio program over station WLAW, in Lawrence.

Members of the club who took part are: Ruth Carr, Edith Wright, Marion Woodward, Evelyn Moore, Shirley Bennett, and Grace Brown. Shirley Bennett is president. The accompanist was Mrs. Elsie Wright, who is her chief leader of a foods club.

This club has prepared a musical program called "Garden Memories" and will combine with several other local clubs to present an evening of musical entertainment on May 1.

Are you listening to the 4-H radio programs? They come at 12.15 on the third Tuesday of every month. On May 20, some of the winners of the Girls' Day will be on the radio program from WLAW.

Ida B. Davis,
Asst. Club Agent

SEWING MACHINE CONTEST

Two Junior Sewing machine contests have been scheduled, and twenty girls of Essex County between the ages of 11 and 13 years will have a chance to show how well they can use an electric sewing machine. One contest will be held on April 26 in Salem, and the other will be held on May 10 in Haverhill. Watch for the names of the contestants and the winners in the next issue of this paper.

I. D. B.

4-H GARDENERS AND CANNERS IN NATIONAL DEFENSE

A 4-H Club is a glowing example of democracy in action. The club members are organized voluntarily to further their interest along some particular line. They join voluntarily; they elect their own officers; they vote by popular vote on anything which seems of interest, and for the common good of the group. These little democracies are spread over Essex County, over Massachusetts and Country Wide in every state of the Union and are promoted by the U. S. Dept. of Agriculture which is a division of our national democracy. Club members are 1,300,000 strong in this country. They are proud they are Americans.

How can these young people help in National Defense?

1. Join a 4-H Garden or Canning Club through the summer months.

Why—because if there is a small garden in each backyard more vegetables will be eaten and canned for future use when possibly the food stuffs will be higher in price. Fight for Your Country by being physically fit—because you have eaten more protective foods in the form of vegetables.

2. A second method for a 4-H Garden or Canning member to help in National Defense is accomplished automatically with the raising of vegetables, as the large market gardeners can release their supplies of vegetables to army camps, or the vegetables can be canned for use in Great Britain.

3. A third method that 4-H Gardeners can use in helping in National Defense is by getting other boys and girls to join these clubs and then Essex County will have a larger number pulling for the same good.

4. If there are members interested and no leader available try and find one. If several children go as a group and suggest a club to an individual they can hardly resist helping such enthusiastic individuals.

Let's make this a stronger democracy by organizing many more little democracies in the form of 4-H Garden and Canning Clubs. Let's all pull and push together in a real effort to help Essex County be strong as a unit in this wonderful democracy of ours.

4-H Club Members Are Glad They Are Americans.

"GOD BLESS AMERICA."

Byron Colby,
Club Agent

4-H DAIRY COMMITTEE FORMED

A 4-H Dairy Committee has been formed in Essex County and held their first meeting on April 4. They went over the prepared 4-H Dairy Premium List for Topsfield Fair. The members of the committee are: Chairman, Dudley P. Rogers, Danvers; James R. Reynolds, Wenham; Robert B. Choate, Danvers; Rudolph A. Messerli, North Andover; William Whitney, South Byfield; Silas Little, Newbury; Herbert Kimball, Haverhill, Ralph Woodworth, West Newbury; and Archie Nimmo of Methuen.

The committee accepted two primary duties: one to properly supervise the 4-H Dairy Show at Topsfield Fair; two, to promote 4-H Dairy work in Essex County.

This committee has a very definite interest in Dairy work and are glad to assist 4-H members.

Byron Colby

DAIRY CAMP AT FAIR

The Society for Promoting Agriculture, one of the older agricultural societies in the country, is furnishing the premiums and expenses for camp and large Dairy Show at Topsfield Fair, September 3-7 inc. It is expected through this kind and generous offer that there will be approximately 60-4-H dairy animals at the fair this year. Most of the animals will come from Middlesex and Essex County, but other Eastern counties will exhibit also.

B. C.

NATIONAL DEFENSE KEYNOTE OF FARM AND HOME DAY

(Continued from page 1)

appreciated. Many of these places are no more so this collection is of great value today.

The 4-H Clubs carried out the National Defense theme in showing "How the 4-H plans to aid in National Defense."

The men reported that all of their sections were well attended and their speakers enjoyed and much information was gained.

The other day the committee which plans Farm and Home Day met for final reports and started their plans for Topsfield Fair and it was decided to carry the National Defense theme into the Fair. The slogan will be "Make America strong by making Americans stronger through proper nutrition".

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NO. 5

Vocational Fitness

When a person is happy and contented in his work he is usually efficient. He takes pains to do his work well and he finds happiness in the performance of his daily tasks. Such a person, we say, is interested in his work.

Thomas Edison could not have labored so continuously but for the fact that electricity fascinated him. Not having the benefits of higher education, Edison, by persistent effort accomplished much for this world. He applied himself diligently to the daily tasks in which he was interested. Strength of character and determination to carry on against obstacles is the lesson learned from Edison and other successful men.

Schools are doing much more today in helping young folks to select a vocation suitable to their ability and along lines which interest them. Vocational counselors and literature concerning the vocations are available to most high school students. Opportunities are offered for them to try various kinds of work before a final selection is made. This is a decided advance over the hit or miss method of former days.

Finally the psychologist has perfected tests and measurements of ability along mechanical, clerical and other lines which often aid in making a decision when faced with the problem of choosing a career.

When a young man is doubtful about choosing agriculture as a career he should ask himself the following questions. If most of them are answered in the affirmative he has qualifications which tend to make a successful farmer, if however he can not say, yes, to these he should look elsewhere for a career.

1. Do you like taking care of plants and animals and do you enjoy seeing them grow from day to day?

2. Would you choose the city or the country as a place to make your home?

3. Do you prefer inside or outside work?

4. Are you contented working alone or do you prefer to work with others?

5. Are you willing to work long hours during certain seasons of the year?

6. Do you like to plan your own work?

7. Do you prefer to be your own boss?

8. Can you make decisions yourself?

9. Do you enjoy visiting farms and places where agricultural products are sold?

10. Are you physically able to perform heavy farm work?

11. Have you enough will power to keep working when you are on your own?

12. Are you willing to accept lower financial returns for the benefits of farm life?

(Continued on page 2, col. 1)

Better Homes Day

"Better Homes Day" the annual get together of the women of Essex County will be held at the Essex County Agricultural School on Wednesday June 11, 1941.

The program will open at 10:30 A.M. A word of Welcome will be given by Mrs. Mary McIntire. A short business meeting will be held for the election of officers of the Women's Advisory Council. This Council is composed of representatives of the cities and towns of Essex County and assist the Home Demonstration Agents in planning programs most suited to the needs of the communities. Mrs. Arthur Olson of Manchester, chairman of the Advisory Council will be the presiding officer of the day.

The main feature of the morning program will be a Banana Demonstration put on by the Melorpe Fruit Company. This demonstration will consist of use of bananas in baking, cooked bananas as main dish or vegetable and in salads and desserts.

Those who plan to attend are asked to bring a picnic lunch and hot and cold drinks may be obtained at the school. During the noon hour there will be an opportunity to visit the grounds and buildings of the Agricultural School and to hear the W.P.A. band which will play at this time.

At 1:30 P.M. the program will be continued with Arnold M. Davis, Assistant Extension Horticulturist of the State College. Mr. Davis will give an illustrated talk on "Better Living From the Land." There will also be a large exhibit on "Better Living From the Land." Miss Florence O. Webster of Haverhill, Massachusetts will be another guest speaker. Miss Webster is a former Haverhill High School teacher and has travelled extensively. She will talk on "Our Southern Neighbors", Mexico and South America and our relationships with these countries.

Group singing will be featured during the day and will be led by Miss Ruth M. McIntire, Recreation Specialist of the Massachusetts State College. She will be accompanied at the piano by Mrs. Nancy D. Oliva, who will also play piano selections.

At the conclusion of the day's program punch will be served in the auditorium. The members of the Women's Advisory Council will act as hostesses for the day and they are: Miss Marion Parker, Beverly; Mrs. John Andrews, West Boxford; Mrs. Charles Kerans, Danvers; Mrs. George Jones, South Essex; Mrs. R. Howard Pettingill, Georgetown; Mrs. James Benhame, Gloucester; Mrs. Frank Spofford, Mrs. Charles Sweetser, South Groveland; Mrs. Charles Canney, Ipswich; Mrs. Richard Costello, Miss Esther Belair,

(Continued on page 2, col. 3)

Enriched Bread

Bread—which has been for so long the "staff of life"—a very valuable food always, how can it be "enriched"?

The United States Government working with many of the best scientists and nutritionists in the country has found a way to add riches to an already valuable food. These riches are extra vitamins and minerals, those food values so important and yet so illusive.

This enriched flour has been available for only a short time but many baking companies are producing bread from it along with the regular types. How can you tell the difference? Only by reading the label. It is as white, as soft and as fine as ever but is more valuable, and does not cost more! All the former good qualities with added Vitamin B and iron.

Each pound of enriched flour must contain at least 1.66 milligrams of thiamin (B1), 6.15 milligrams of nicotinic acid (another part of B) and 6.15 milligrams of iron. But it is much more important to most of us to know that each pound of enriched flour will contain extra products that will, 1. Improve the health of the nervous system. 2. Aid Growth; 3. Improve the appetite; 4. Be of essential value in the proper functioning of the digestive system. All this besides the valuable iron we know is a part of every cell in the human body and especially valuable in producing good strong rich blood.

Why should anyone fail to buy this type of white bread or flour when they realize its extra value?

One point must be made clear. This enriched bread can not take the place of our even more nutritious "dark breads." This type bread contains many more minerals and vitamins. It should be in every diet at least part of the time. Use the dark breads frequently but when you do use white bread be sure it is as valuable as possible—that is enriched.

Make sure that you have a "good diet" every day by including the following simple foods in your meals.

One quart of milk for each child; One pint of milk for each adult; One potato and two servings of other vegetable; two servings of fruits; some dark bread or cereal; an egg; one serving of meat or meat substitute; and butter.

A Good Diet Gives

1. A Strong Body
2. A Vigorous Mind
3. Abundant Health
4. A Longer Life

A Poor Diet Gives

1. A Body Too Weak To Fight Disease.
2. A Mind Too Slow To Think.
3. A Body That Tires Too Easily.
4. Old Age Too Soon.

Ruth Emerson
Foods Instructor

Essex Farmer and Homemaker

HATHORNE, MASS.

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Mrs. G. Richard Abbott, President
19 Upland Road, Andover
Agricultural Conservation Program
Edward C. Martin, County
Administrative Asst.

CLOSING DATE

The closing date for enrolling in the
1941 Agricultural Conservation Program is
June 1st.

Notices of the Program were recently
sent to all last year's participants not
yet enrolled for 1941. If you received
such a notice, the yellow sheet must be
signed and returned in order for your
farm to be checked in the fall for pay-
ment of any practices carried out.

Those who have never participated in
the Conservation Program, and are in-
terested, may enroll by writing to Mr.
Edwin C. Martin, c/o Essex County Agri-
cultural Conservation Association, Ha-
thorne.

VOCATIONAL FITNESS

(Continued from page 1, col. 1)

In summarizing the above, a record
of the abilities and traits of Master
Farmers give a clue to successful farm-
ing. These are ability to think and plan,
to deal wisely with money, to work hard
and love for the open country.

George E. Gifford
Academic Instructor

TWILIGHT FRUIT MEETINGS

The Twilight Fruit meetings have al-
ready started here in Essex County and
are all held on Thursdays at 7 P.M. and
are as follows:

May 22, at Long Hill Orchard, West
Newbury, C. O. Rollins of Durham, New
Hampshire will be the speaker.

May 29, at Osgood Orchard, Larch
Row, Wenham, Dr. O. C. Boyd will
speak on the "Pest Control for 1941."

June 5, at Greycroft Farm, Wenham,
Prof. Wilbur H. Thies will speak on
"Strawberries and Raspberries."

June 12, at Walter Morss orchard in
West Boxford, L. A. Dougherty of Dur-
ham, N.H. will speak on "How to grow
these strawberries, blueberries and
raspberries."

June 19, at Gilbert Wallace orchard on
Chadwick Road in Bradford, with Dr.
Boyd speaking on "Peaches, straw-
berries and diseases."

July 10, at Charles W. Tucker's, 144
Mill Street, North Andover, the speaker
for this meeting will be announced later
but the subject for consideration will
be Peaches and Apples.

July 24, at the Norris Orchards in Lynn-
field, Prof. William R. Cole of the State
College will discuss the army buying
program and there will be an opportu-
nity to see the new storage.

August 28, at Brooksby Farm in Pea-
body, John S. Bailey will lead the dis-
cussion on Peaches and Blueberries.

September 3-7 will be the Topsfield
Fair when many of the above orchards
will be represented at the fruit exhibits.

CHANGING LINES

Gradually shoulders are changing.
For the past several years we have seen
so many square military shoulders that
this change is pleasing. Women's clothes
are becoming more feminine.

Don't think of this change as a line
that will give you a droop shouldered
effect, because they are still padded to
give one a gracefully rounded look.

This new line is being shown on
coats, suits and dresses.

We see sleeves cut in one with the
back and front yoke. The comfortable
deep arm hole with the Dolman sleeve
is back. Of course, it is evident that
every one can not wear this type suc-
cessfully. One must be above the
average in height and not too heavy in
build.

Another change in line is the almost
imperceptible lengthening of the waist
line. This many times is achieved by
the use of the peplum, which is shown
in many different ways, circular,
gathered and pleated. The rippled pep-
lum in contrast to the slim paneled
back skirt is smart.

The gathered peplum is new, some-
times used only in the front. Materials
suitable for this must be supple and
such that it can be easily draped.

Since the peplum tends to shorten
the figure and add breadth to it, only
the slender figure should attempt to
wear it.

Myrtle R. Dunn
Clothing Instructor

CONTROL APHIDS

Don't wait until they become too
numerous.

Most of us are familiar with plant
lice or aphids. We see them on practi-
cally all of our common herbaceous
plants and trees. Some species prefer
the young and tender leaves and shoots.
Others cluster on the back of woody
plants and still others are found on the
roots. Different species prefer differ-
ent types of food plants. Some feed on
just one during the season, others on
two or more kinds. Some aphids feed
on one type of plant in the spring, mi-
grate to a summer host, and in the
autumn return to the first plant.

Aphids winter over in the egg stage
on the host plant or what is left of it.
In the early spring the eggs hatch and
the young nymphs (only females are
produced in the spring) obtain their
nourishment by sucking the plant sap.
The young females develop into stem
mothers, give birth to many living
young, which in turn repeat this form
of reproduction. In the fall a genera-
tion of males and females are produced
and these females lay the overwinter-
ing eggs. Aphids multiply very rapidly.

The School recommends the use of
Nicotine Sulphate 40%. For most pur-
poses a 1 to 800 dilution will prove to
be satisfactory. Use 1 to 1½ tea-
spoonfuls of nicotine sulphate and 1
ounce of laundry soap to a gallon of
water.

If chewing insects are to be con-
trolled at the same time, omit the soap
and use a tablespoonful of arsenate of
lead.

On a 50 gallon basis use ingredients
in these amounts—Nicotine ½ pint,
Arsenate of Lead 1½ pounds, Soap 2
pounds.

James F. Gallant
Science Instructor

BETTER HOMES DAY

(Continued from page 1, col. 2)

Lawrence; Mrs. Charles Reynolds, Mrs.
James McNiff, Peabody; Mrs. Arthur
Olson, Manchester; Mrs. Dora Tucker,
Merrimac; Mrs. H. K. Richardson and
Mrs. H. M. Richardson, Middleton; Mrs.
Bertram Savage, Newbury; Mrs. Wil-
liam Cottle, Rockport; Mrs. Frank
Hodgdon, Rowley; Miss Clara Kearny,
Mrs. Walter Hill and Mrs. Ernest Jor-
gensen, Swampscott; Mrs. Percy Smer-
age, Topsfield; Mrs. Carl Dodge, West
Newbury; Mrs. Mary Roundy, Mrs.
Mary M. McIntire, and Miss Katherine
M. Lawler.

Katherine M. Lawler
County Home Demonstration Agent

COOPERATION

This year more than ever various
civic organizations are cooperating with
Massachusetts 4-H poultry and garden
club projects, reports the state 4-H
office at Massachusetts State College.
Groups are giving the youngsters small
flocks of baby chicks, or loaning them
money to buy chicks, and several
Granges and adult garden clubs are
awarding cash prizes for the best 4-H
gardens in a community.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

MAY, 1941

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanore Gray '41	Marblehead
Rita Hitchcock '42	Danvers
Margaret Kennedy '41	Lawrence
Ruth Maxwell '42	Lynn
June Porst '41	Methuen
Lucy Tela '41	Lawrence

ASSEMBLIES

The girls of the Homemaking Department are not to be outdone in patriotism. Both Patriots' Day and Arbor Day were observed by interesting educational programs. The High School B group were in charge of the celebration of Patriots' day which was held on Friday, April 18th. Barbara Hennigar of Danvers was Chairman and introduced the three guests called from the Past. Paul Revere — Dorothy Dryden, North Andover.

Abe Lincoln — Margaret Kennedy, Lawrence.

Philip Nolan — Dorothy Daly, Lawrence
The program was closed by the entire assembly singing "America the Beautiful" accompanied by Mrs. Dunn at the piano.

On Arbor Day all the members of the Homemaking Department assembled at the Athletic field where a row of small maple trees was ready to be planted.

Margaret Kennedy of Lawrence opened the program by reading the "Governor's Proclamation for Arbor and Bird Day". This reading was followed by the singing of "Trees" by Mary Carey of North Andover.

Bernice Marsland of Methuen then gave the reading entitled, "For Joy". At the close of the program shovels were passed around and every student was given a chance to aid in planting the trees. Both these programs were most enjoyable and it is hoped that other special days will be commemorated in a similar way.

D. D.

PARENTS' DAY

Parents' Day for the Homemaking Department will be Wednesday, June 18. Dresses made by the girls will be exhibited. Already groups are practicing for their gym exhibition. Articles made by girls in home project will be on display, also, as well as exhibits from other departments. An interesting as well as full program has been planned for that day. Both parents and friends of the girls are cordially invited to attend.

J. P.

ESSAY PRIZE WINNER

Robert Emerson of Peabody, a freshman at the Essex Agricultural School, won first prize in an Essay contest recently conducted by the Essex County Rabbit Breeders' Association. His essay was entitled "The Value of Rabbit Meat as a Food" and will be found in another column of this issue. Robert is an enthusiastic rabbit breeder and will welcome the addition of a trio of pure bred New Zealand Whites to his rabbitry.

F. F. A. NOTES

Donald Schmidt of the Bristol Co. Agric. School will be the Massachusetts contestant at the Regional Public Speaking contest at the Eastern States Exposition in September.

Henry Britton is State Reporter and has the responsibility of assembling Chapter News for the "Bay Stater", the new F.F.A. news sheet.

Members of the Essex Chapter F.F.A. will be interested to learn that the National Organization of Future Farmers of America has purchased a 22 acre tract of land on U. S. Highway No. 1, between Washington, D.C. and Richmond, Virginia.

The tract purchased was once owned by George Washington and adjoining the land is one of his Old Grist Mills, which has recently been restored by the Virginia Conservation Commission. Members of Essex Chapter may well boast of the fact that the National organization now owns and controls land once trod by Washington, a patron saint of the F.F.A. The camp is due to open about June 1, 1941.

WE KNOW A SECRET—PERSONALS

R. Adams—could easily compose a volume of jokes.
J. Bishop—is still carrying the torch for M. Williams.
L. Bullock—can't choose between her sax and Bob.
C. Cadorette—is crazy about green hair tonic.
M. Carey—would like to know H. Jones better.
A. Clark—has a "swell" looking cousin (with dimples) from Beverly.
A. Cormier—has a neat system of keeping away from school.
A. Daly—has finally settled down to her "Dutch Clips".
D. Dryden—certainly was handicapped by her impetigo.
D. Durkee—hates being chosen class baby.
H. Hallock—is still knitting for "Bundles for Britain".
B. Hennigar—has learned it doesn't pay to bring candy to school.
M. Hollingsworth—thinks B. Landry is nice.
M. Kennedy—looks "swell" in red pajamas.
M. Leach—sacrificed a career for love.
G. Mungun—is a puzzle—we know nothing about her!
I. Rabs—would save wear and tear by settling down in Conn.
P. Roy—went crazy over a joke about pants.
I. Weed—has a nice looking boy friend with a nice looking car.

R. A. and D. D.

VOLLEY BALL PLAY-OFFS

The members of the Junior class should be congratulated on their two successful victories. In the volley ball play-offs, they defeated both the Freshmen and High School Divisions. The games were played on the campus court under the supervision of Miss Arthur.

The results of the games were: Juniors 43 — High School 30; Juniors 35 — Freshmen 29.

L. T.

HONOR ROLL

At the end of the third quarter these girls received marks that placed them on the honor roll.

Freshmen: Carolyn Archambault; **Juniors:** Eleanor Annis, Elaine Kennedy, Ruth Karlson, Dorothy Rowbottom; **Seniors:** Ilene Briggs, Bernice Marsland, Reina Gumb, Muriel Pontius; **High School Graduates:** Ruth Adams, Lila Bullock, Doris Englehardt, June Porst, Ina Stephenson, Isabelle Weed, Justine Bishop, Claire Cadorette, Marion Leach, Isabelle Rabs, Lucy Tela.

D. D. and L. T.

IT'S GREAT TO BE AN AMERICAN

The United States of America stands today as the bulwark of the Democratic way of life. It will remain so only as long as the government under which we live has the support and respect of all its citizens.

Just take a minute to survey the high standard of living we enjoy. Think of the every day conveniences which have become a necessary part of our existence. Then think of the plight of people in other lands, where Democracy has been taken away.

Yes, "it's great to be an American", so let us make America greater by giving this country our wholehearted support.

Claude Venoit

VALUE OF RABBITS AS A FOOD IN OUR COUNTRY

I was ten years old when I purchased my first two rabbits. They were a mixed breed but it didn't bother me any. I was made to believe one was a female and the other a male, but to my discouragement I later found out they were both females. It wasn't long after when I purchased a little black buck also of a mixed breed. Because of my lack of knowledge I lost one of my does. Then I purchased a brown doe all ready to breed. They were the rabbits that I really started to use for breeding. Thus I was started in a small business of my own.

Rabbits have been raised for several years in this country before many people ever gave them thought. It wasn't until 1910 when clubs and associations began to spring up from nowhere and grow quite rapidly. Up to the present, rabbits haven't been sold very much for meat, but lately people have purchased rabbit meat and thought it was just wonderful.

The most successful way of raising rabbits for meat is to give them the best of care while they are young. The best way is to keep their hutches clean and give them plenty of fresh water and grain or some green feeds. Sunshine is very beneficial in the raising of rabbits provided they do not get too much of it which will make them very uncomfortable. When rabbits reach about three months of age they should be sexed and separated, keeping the males apart from the females. In doing so a person will reach greater success.

When rabbits are ten to twelve weeks of age and weighing about four to five lbs. they can be dressed off and sold as friers. Rabbits at the age of thirteen to seventeen weeks and weighing about five and one-half to seven lbs. can be dressed off and sold as roasters. Anything older is sold as fricassee rabbit.

There are very many ways of preparing rabbit for eating. They could be served as follows: Rabbit stew with vegetables; Rabbit in tomato sauce; Savory rabbit; Baked rabbit; Rabbit pie; Fried rabbit; and many other delicious tasting dishes.

Rabbits have a very high protein value of 22.5% while chicken, the nearest to rabbit, has only 21.5%. The food value has been recognized by physicians who recommend rabbits' livers as being highly beneficial in the correction of anemia and anemic disorders. Rabbit meat is really very easily digested and for that same reason doctors recommend it for children, invalids, and convalescents.

Rabbit meat is a very delicious tasting delicacy. Many people if given the chance would be quite surprised at the tenderness and flavor of rabbit meat. People may cook rabbits many different ways and get wonderful results. People take pity on rabbits because of their beauty and because they are considered pets, but they must think of the chickens, pigeons, calves and deer that also have beauty and could be good pets if given the chance. The selling of rabbit meat will some day be very popular and there will be a chance for someone to make money. — Robert Emerson

CHANGE OF GIRLS IN THE HOMEMAKING LIBRARY

During the last two months the senior girls in the library have been released so as to train students for these positions for next fall. Two Juniors and two freshmen were trained, Juniors: Elaine Kennedy, Danvers; Dorothy Rowbottom, Danvers; Freshmen: Carolyn Archambault, Methuen; Helen Richards, Beverly.

These girls handle about five hundred books a day, charging them out and taking care of those returned. They also shellac books when necessary and put classification and shelf numbers on books. The girls have learned the Dewey decimal system of arranging the books. Not only are there text books in the library but there are recreational books on travel, biography and occupations. There are four shelves of novels for those who enjoy fiction.

R. A.

4-H DAIRY JUDGING TOUR

On May 3rd, nine Essex County 4-H Dairy members went to Middlesex County to judge dairy cattle. The boys making the trip were Albert and Dexter Blackadar of Haverhill; Charles Savage, Robert Colby and Joseph Jacques of Newbury; Donald Woodworth and Lyman Orcutt of West Newbury; and Samuel Noyes of Georgetown.

This was the first opportunity for many of the boys to learn how to judge dairy cows. Two classes of Ayrshires were judged at Mr. Putnam's in Tyngsboro, two classes of Holstein cows were judged at Mr. Lyman Cook's Farm in Townsend and two classes of Guernseys were judged at Westfield Farm in Groton. The Westfield Farm furnished milk for the boys at the noon meal. Thirty-eight boys competed in the contest which was handled by Assistant State Club Leader Harley Leland.

DEFENSE PROGRAM CALLS FOR MORE EGGS

Some To Go To Britain.

If the nation's poultrymen follow the recommendations of the United States Department of Agriculture in its new food for defense program, about 10 million more cases of eggs will be produced in 1941 than were produced in 1940, says G. T. Klein, extension poultryman at Massachusetts State College.

Poultrymen will be encouraged to increase production of both poultry, meat and eggs by a government buying program which will establish a fair price for their products. For the first time in history, poultrymen will know the approximate price of feed and the selling price of their products for a full two year period in advance. The government has assured them that for the next two years, egg prices will be supported at about 22 cents a dozen, Chicago basis, and corn, which makes up the bulk of poultry rations, will be available at about 65 cents a bushel. Since there is a difference of about 5 cents a dozen between the Chicago and

4-H CLUB GIRLS NOTES

Six girls participated in the first Junior Sewing Machine Contest held in Salem on April 26. Each girl exhibited a garment, and demonstrated her skill at the electric sewing machine by making four samples, seams and stitching on ruled charts. Awards were made as follows:

1st. Frances Bonjorno, Beverly; 2nd. Anita Dube, Beverly; 3rd. Edna Chase, Danvers.

Other girls who took part and did good work were Thelma Blanchard and Carolyn Davis of Beverly, Lorraine Bolduc of Danvers.

A second contest was held in Haverhill on May 10. Awards in Haverhill were made to: 1st. Joan Fitzgerald, North Andover; 2nd. Evelyn Locke, Andover; 3rd. Pauline Bates of Amesbury.

Also in the contest were: Ellen Charles, Alice Lancaster of Amesbury; Joanne Milnes, Eleanor Morre of Groveland and Marjorie Kearn of Andover.

CO-OP CALVES

Through a cooperative project now being considered by New Hampshire farmers and groups in Essex and Middlesex counties, Massachusetts, the Bay State farmers would have their calves raised on the New Hampshire farms and buy them back as fresh heifers. Advantages of the proposal are that some New Hampshire farmers have extra grass-land and no milk market, while the Bay State farmers need all available land for milk production.

Boston prices for eggs, New England poultrymen will be able to figure on at least 27 cents a dozen for their eggs. This price may change with the season.

The farmer will not be the only one to profit from this buying program, for with ample supplies, consumers will be protected from too high prices.

The supplies of eggs and poultry purchased from the market by the government will be used in several ways: some will be used in this country to put more protective foods into the diets of our people; some will be shipped to Britain under provisions of the Lend-Lease Bill; and some will go into reserve to be used here and abroad after the war is over.

Mr. Klein points out that forced feeding will be used by some poultrymen to increase their production and some hens will be carried over into their second laying year. On the basis of this program, Mr. Klein urges poultrymen not to invest additional money in their poultry plants. Making full use of present equipment will be adequate for the present, he says.

Eggs are an ideal means of turning our reserves of corn and wheat into defense foods, Klein points out. Production can be increased by better feeding. A good percentage of the eggs purchased by the government will be turned into powdered or dried eggs. These keep well and take little storage or shipping space in proportion to their food value. A case of 30 dozen eggs dries down to about 10 pounds.

LET'S CAN

Do you remember the story about the man who said, "We eat what we can and what we can't we can"? Let us do this very thing this summer.

According to Katherine M. Lawler our County Home Demonstration Agent now is the time to start our canning for next winter. She says, "You should have in your storage closet next November, 75 pint jars of canned vegetables for each person in your family. Seems like a lot but from November to May, you'll be serving 300 meals other than breakfast. Seventy-five pints is only 225 real good servings."

If you are planning to can this summer as part of your share of strengthening our defenses through better nutrition and wish a monthly letter on canning prepared by William R. Cole of the State College, just send your name and address on a penny postal to Miss Katherine M. Lawler, Hathorne, Mass., and she will be glad to send these letters to you.

Prof. Cole says "If you can buy good spinach for 60 cents a bushel, you can provide this excellent food for about 10 cents per pint jar. Some of you may be canning asparagus. If you can buy good grass for 10 or 12 cents per regular size bunch, you can give your family this excellent food next winter for 8 to 10 cents per pint jar."

If you are canning asparagus, do it this way:—

(1) Wash, trim, remove scales if necessary. (2) Cut up into suitable size pieces. (3) Pack as closely as possible without crushing. (4) Add $\frac{1}{2}$ teaspoon salt when jar is $\frac{2}{3}$ full and pour in hot water to cover the material then in. (5) Finish filling. Add more water if needed. (6) Put on rubber cover, completely seal jar. (7) Process for 35 minutes at 10 pounds pressure or for 100 minutes in boiling water. This is for pint jars. If quarts, add 5 minutes to 10 pounds or 20 minutes in boiling water.

WASHED OUT

Soil erosion causes 400 million dollar losses to farmers each year, through reduced income and abandoned land, report land economists at Massachusetts State College.

INTEREST

Farm forests will pay a return of 2 to 5 per cent on the capital investment, says the Massachusetts State College forestry department, and require only a couple of days labor per acre each year.

MAKE CLEAN VS. KEEP CLEAN

One "keep clean" is worth a dozen "make cleans" says the Massachusetts State College home economics department, advising housewives to use spare minutes while the cake is baking or the vegetables are cooking to set the kitchen in order.

FARM LABOR

SHORTAGE REPORTED

State College Finds Hired Men Needed In Every Massachusetts County

Many Massachusetts farmers may have to cut down production this year if their hired men continue to leave for industrial jobs or military service. A survey just completed by the Massachusetts State College extension service shows that there is a shortage of farm help in every county in the state, and that prospects are not too good for getting crews to help with harvesting.

Roy E. Moser, State College farm economist in charge of the survey, says that poultrymen are comparatively well off but that on dairy, vegetable, and crop farms the situation is becoming increasingly serious. Farmers are having to pay more to get skilled labor, and in some cases are having to replace skilled help with inexperienced workers at the same wages.

The largest labor shortages are reported by farmers in Franklin, Worcester, Bristol, Hampshire, and Hampden counties. Many farmers say they could use boys, or even girls in some cases, for weeding crops, thinning apples, and harvesting.

Enumerating the steps being taken to improve the farm labor situation, Mr. Moser says the State College and county extension services are working closely with the state employment office. The district WPA office has agreed to release WPA workers for farm work, and plans are being made to register high school boys interested in summer farm work.

The state employment office has published a list of its 38 branches, and is cooperating with farmers in cutting red tape to get farm help when they need it. Local draft boards have been informed of the situation, and asked to defer skilled hired men who would be difficult to replace. Inspectors of the division of dairy and livestock of the Massachusetts Department of Agriculture are among those keeping track of the labor situation, and cooperating with the extension service in getting labor information to the farmers.

CHINESE SAUTE

The Chinese discovered centuries ago that sauteing vegetables (cooking quickly with a little fat) conserves the food value. Sauteing takes 6 to 9 minutes, and is suitable for asparagus, green peas, and other tender water fresh vegetables, says the Massachusetts State College department of home economics.

NEITHER EARLY NOR LATE

Sprays to control garden pests should be applied at "just the right time," neither too early nor too late, to accomplish their purpose, gardening experts at Massachusetts State College remind gardeners. County agricultural agents can give full information on plant pest control.

GARDEN CHAT

Spring planting is well under way and to a good start for 1941. Where last year was particularly late for early crops it makes things seem early this season and yet over a period of years vegetation in general is about normal.

Asparagus is cutting well and seems to be of high quality. Warm weather and light rains aid the cuttings materially. Light rhubarb pullings will be made around the middle of the month. The cool crops in general; such as, peas, onions, beets, carrots, spinach, lettuce and cabbage are growing fast. During cool weather a light, top-dressing application of sodium nitrate, at the rate of 200-300 lbs. to the above crops will stimulate bacterial and plant growth.

Are you using old bean poles year after year? Have you been troubled with foliage rust and spotting on the pods? Bean poles if used previously should be soaked in formaldehyde to destroy these devastating organisms. At school we merely take a trough (similar to a chicken or pig trench) made by two boards nailed together in a (V) form and nail short boards on the ends. Soak well with water before using the formaldehyde. Allow the bean poles to soak for a few minutes in the liquid of 1 qt. of formaldehyde to 5 gals. of water so that the liquid will penetrate well under the bark and crevices of the poles.

The time for setting tomato and pepper plants is here. How many times have we seen tomato plants set out by growers so wilted that they have bent over badly. When you are sick you don't feel like standing up straight, too long. The same conditions exist with these plants which have been removed from their normal growing positions and have reduced root systems supplying the plants with water and food. Lay the plant down on top of the ground rather than to stand the plant in an upright position; firm the soil on the root well, and if the plant seems dry at time of setting, place some water in the hole to aid in rooting.

Flea beetles are working on potatoes, tomatoes, turnip, radish, etc. Why not work on them by spraying or dusting with either Lead or Calcium Arsenate. Cutworms may be cutting off newly set plants; stop them by using the poison bait method. Refer to Mass. Ext. Leaflet No. 116.

Carlton M. Stearns

BIG APPLE (TREES)

Reports of apple trees 3 feet in diameter have aroused the curiosity of Massachusetts State College pomologists, who are interested in locating the largest apple tree in Massachusetts. Any tree over 3 feet in diameter is eligible to compete.

BOSSY'S 8-HOUR DAY

Cows graze only 8 hours a day, no matter how luxuriant the pasture, and spend 12 hours lying down, and 4 hours standing or walking around.



4-H Club Notes



GARDEN NEWS

Mr. Earl Nodine, Assistant State 4-H Leader from the State College was in Essex County on April 23 and 24. He met with the 4-H Garden Clubs in Groveland, Wenham, West Buxford and Rowley. At Groveland the meeting was held in a greenhouse where the local leader, Robert Chabot works with plants. Under this ideal setting of growing plants, Mr. Nodine gave demonstrations on how to treat seeds with Copper Oxide and Semesan to prevent damping off. Nineteen members attended this first meeting.

The new 4-H Garden Club in Ballardvale led by Mr. David Segestrom is organized with the following officers: President, William Launer; Vice President, James Kellette; Secretary, Howard Coon. At the first meeting the boys made plans for their gardens on paper as well as organizing the club.

The second meeting of the newly formed Rowley 4-H Garden Club was held at the Leader's home on May 6. Mr. Stanley Gregory is the local leader. Fourteen members were present at the meeting. A demonstration was given on preparing the soil for planting and the planting of seeds. After the meeting the boys played leap frog and had competition races.

The new Garden Club in Wenham had its second meeting at the home of Edward Richards. All members were present. A talk was given on the kinds of fertilizers to use on a vegetable garden.

Byron E. Colby
County 4-H Club Agent

GIRLS' DAY

About 200 people attended the Annual 4-H Girls' Day, May 3, at the Agricultural School. Eighty-one girls competed in the Style Revue, seven in the Foods contest and about twenty in the Clothing and Home Furnishing exhibits. Those who received blue ribbons for excellence were: Theresa Jameson and Irene Jameson of Methuen; Pauline Carone, Swampscott; Constance Bernasconi, Eleanor Hathaway, Virginia Nelson, Frances Bonjorno, Jean Cannon, Barbara Low, of Beverly; Marcia Twombly, Gertrude Hibbert, Groveland; Edna Koza, Dorothy Abbott, Andover; Allene Dozier, Swampscott, in the Style Revue.

Those who won first prize ribbons in exhibits were: Lorraine Ruest and Shirley Drown of Beverly; Edna Chase, Loretta McPhee and Virginia Bennett of Danvers; Allene Dozier, Swampscott; Shirley Gray, Beverly and Barbara Parker of Ballardvale.

The winners in the Foods Demonstration Contest were Palmina Boniface of Beverly and Mary Rogers also from Beverly. These two girls will go to Amherst where they will compete with girls from other counties on State Girls' Day, May 24.

The four girls who have been selected to represent Essex County in the Style Revue on State Girls' Day are Dorothy Abbott of Andover; Allene Dozier of Swampscott; Gertrude Hibbert of Groveland and Barbara Low of Beverly.
I. B. D.

WHY CAN?

1. To have a "winter health garden" of vegetables and fruits.
2. To add variety to winter meals.
3. To provide for emergency meals.
4. To preserve vegetables, meats, and fruits when they are abundant and cheap for a time when they are expensive and scarce.

Any boy or girl between the ages of 10 and 21 years may enroll in the 4-H Canning project. Enrollment cards may be secured from the County Club Agent or Assistant.

Help your family to "Better Living by Canning" home grown products for home use. Every jar of vegetables and fruit which you put on your canning shelves will mean more money in the family pocketbook and better health for all the members of your family.

Club requirements are simple — 20 jars of fruits and vegetables for first year members, 30 jars for second year, and so on. Just think of the fun you'll have while doing it!

There will be three opportunities to exhibit canned products this year, and win prizes — at Topsfield Fair, Brockton Fair and at Boston Horticultural Show.

CAMP LESLIE FUND

The Powow Handiworkers 4-H Club of Amesbury has voted to raise \$2.00 toward Camp Leslie. If all clubs in the county raised this amount, there would be enough raised to build another cabin. The Amesbury club is raising their money by selling tickets for a play sponsored by the Goodwill Industries. The industries will buy a truck with the proceeds from the play and they will give the Powow members a nickel a ticket for their efforts. These nickels will make \$2.00 for the Camp. That is the spirit of the Powow Club and it sure is genuine.

On the week of May 28th, school vacation week, a total of 30 boys from the towns of Beverly, Newbury, Saugus and Haverhill worked at Camp Leslie and helped to clean up the grounds as well as to assemble three cabins and gravel the road into Camp.

The work was supervised by Willis G. Anderson, carpenter at the Agricultural School. Mr. Lester Friend of Danvers and Mr. Willard Kelly of Merrimac also gave a day's work on the cabins, which was greatly appreciated. Director Mostrom, Coach Couhig and Instructor Knowlton also assisted with the work at camp.

The cabins were partly constructed from lumber which came from the camp grounds but the flooring and siding had to be purchased. It is hoped that the clubs in the county with the help of other public spirited people will help to pay for this lumber.

At the last meeting of the Directors of Camp Leslie it was announced that the Camp is now incorporated.

Nathan Hale who has served as Treasurer of the Board of Directors resigned as he has been called into the service. We all appreciate Mr. Hale's work and interest in the Camp and wish him well while serving our country.

Camp Folders are out, if interested, write to County Office for one. Camp will be open for four weeks this summer from July 13 through August 10.

B. E. C.

RED ROOSTER POULTRY CLUB

Each year a contest is held by the members of the Red Rooster Club on care of the 4-H Flock and Poultry house. The houses are rated on a score sheet and two winners selected, one from the older members and one from the younger members. To each of the selected members go 25 Baby Chicks as a prize. This year the winner for the younger boys' group is Lyman Biggart, 18 Cottage Street, Saugus. He will receive 25 White American Chicks from Mr. Ellery E. Metcalf of Saugus, and Instructor at Essex Aggie. Mr. Metcalf has developed this breed.

Bernard Barrett, 8 Wilson Street, Saugus is the older boy who has an outstanding 4-H Poultry Project. To Bernard go 25 Rhode Island Red Chicks, furnished by Mr. George Purkis of Topsfield.

It is very fine of Mr. Purkis and Mr. Metcalf to take this interest in the 4-H poultry project.

B. E. C.

NEW 4-H LEADERS

Mr. Henry W. Nason, West Buxford, will lead the 4-H Garden Club in that section of the town. Mr. Nason is an active market gardener and poultryman and has worked with boys before.

Mr. John Travers, East Main Street, will lead the Garden Club in Georgetown.

Mr. Donald Smart will lead a Garden Club in Haverhill.

ESSEX FARMER AND HOMEMAKER

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HATHORNE, MASS.

JUNE, 1941

NO. 6

"Canning Bees"

How about your food preservation program? Do you belong to one of those families which cans 3 or 4 or 5 hundred jars of fruits and vegetables and have a good place in the cellar to store those that are suitable for storage? A food supply in your cellar gives you a feeling of satisfaction and security and will help to reduce cash expense during the winter months.

A series of five meetings in food preservation are being planned for two centers in the county, Topsfield and Newbury. The meetings will be under the direction of Prof. William R. Cole of Massachusetts State College. The first meeting will be a demonstration by Prof. Cole and the four meetings following will be "Canning Bees", to which the members of the group may bring anything they wish to can and do it under Prof. Cole's direction. The Topsfield meeting will be held at the Community House and the Newbury meetings in Parker Hall. All meetings are scheduled to start promptly at 1:30 P. M.

The dates of the meetings are as follows: Topsfield, Tuesdays, July 8, and 22; August 5 and 19 and September 9.

Newbury meetings will be on Wednesdays: July 9 and 23; August 6 and 20 and September 10.

A series of canning meetings is being planned for Byfield and West Haverhill, the dates to be announced later. These meetings will be under the direction of Miss Katherine M. Lawler, County Home Demonstration Agent of the Essex County Extension Service.

All of these meetings are open to anyone who is interested in food preservation. If you would like further information regarding these meetings, contact the County Home Demonstration Agent at the Essex County Agricultural School.

K. M. L.

ADVANTAGES and DISADVANTAGES OF FARM LIFE

Last month under the title of "Vocational Fitness", the characteristics which are necessary for successful farm living were summarized. It now seems advisable to set forth some of the advantages and disadvantages of farm life as shown from farm and city surveys.

Such surveys show that the advantages of farm life are more nutritious food, better health and longer life, greater chance to acquire property and more satisfying family life. The disadvantages are relatively lower farm prices with consequent lower buying power; loss of soil through erosion or depletion of fertility and fewer modern conveniences.

(Continued on page 3, col. 2)

Bark Beetle Invasion May Follow Forest Fires

Recently a warning was given to the eleven Eastern States scourged by forest fires to guard against a new threat to remaining trees through an invasion of millions of bark beetles. Serious damage has resulted in past years where these beetles have gained a foot hold. Half burned and weakened trees will form ideal breeding places for the beetle. The threat extends to trees within 80-100 miles of the devastated areas.

Bark beetles are small, black or brown cylindrical insects usually under one-quarter of an inch in length. They bore through the bark and tunnel just between it and the sapwood, scoring the wood in fantastic designs. Their presence first shows up as fine brown sawdust on the barks and in some cases, by pitch oozing out.

The danger from bark beetles lies in the fact that they attack trees in great swarms, making hundreds of small burrows that eventually cut off the sap flow and kill the tree.

It is important to immediately cut down and utilize the trees weakened by fire and to keep dying and injured wood pruned out of those remaining. The bulk of this pruning should be done during the winter or early spring months. All such wood should be carefully burned. If allowed to remain piled up or near the trees it may act as a breeding place for the bark beetles.

When possible the trees should be kept in a vigorous growing condition by supplying enough water and plant food. Large numbers of pine trees have been destroyed as well as spruce and other coniferous trees in various sections of the country.

Alton G. Perkins

Science Instructor

FARM AND HOME WEEK

Massachusetts' Farm and Home Week will be held July 29 through August 1 at Massachusetts State College, according to an announcement made the other day by Willard A. Munson, director of the Extension Service for Massachusetts. The four-day meeting will have "Better Living" as a general theme.

Outstanding speakers of the Northeast, Massachusetts farmers and homemakers, State College staff members, and government officials are listed to take part in the many programs scheduled for the week. Special programs have been arranged on home-making food preservation, home gardening, fruit growing, forestry, vegetable gardening, beekeeping, poultry,

(Continued on page 3, col. 1)

Parents' Day

Wednesday, June 18th, marks the Homemaking Department's annual celebration of Parents' Day. All parents and friends of the school are cordially invited to come for the day.

At 11:00 A. M. the day's program will open with a physical education demonstration and exhibition at the athletic field under the direction of Miss Doris J. Arthur, instructor in physical education.

Picnic style box lunches may be eaten at the field or on the campus and then visitors may proceed to the Assembly Hall where Miss Ruth Ormsby of Beverly, guest speaker, will address the gathering.

A fashion parade, "Fashion in Line", features the mid-afternoon program and it promises to be a most pleasant event. Refreshments will be served at the close of the afternoon.

Exhibits

Miss Harris will have an exhibit of leather handicraft, original decorated art folders, and color schemes and accessories for rooms.

Miss Smith will have a Home Project exhibit of foods, and clothing items.

Mrs. Roundy's exhibition of surgical dressings and home sterilization is very timely. Freshmen personal hygiene books will be on display, also.

(Continued on page 2, col. 1)

EVENING SCHOOL CLASSES 1941 - 42

Announcement by Director Harold A. Mostrom has just been made of the opportunities for adult instruction in agricultural evening classes for 1941-42.

Classes in Dairy Laboratory practices, general dairy problems, poultry, fruit, soils and home grounds improvement will be given during the fall or winter, depending on the demand for each type of instruction.

Applicants should be 18 years of age, engaged in the enterprise in which instruction is desired, and with facilities available for putting into practice the improved practices studied in the course.

In some cases, each applicant will be visited by the instructor in charge to determine if facilities available are such as to warrant admission to the course of instruction.

These courses offer splendid opportunity to farmers and others to keep their practices up to date in these various enterprises.

For further information and to apply for admission, address inquiries to the Director, Essex County Agricultural School, Hathorne, Massachusetts.

Essex Farmer and Homemaker

HATHORNE, MASS.

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PARENTS' DAY

(Continued from page 1, col. 3)

The Foods department has planned a tea table exhibit, and a unit types of breakfasts suitable for people at various kinds of work. A third exhibit will show cream puffs and the various adaptations of the recipe.

From Freshmen Housecare there will be the refinishing of furniture.

Miss Lovett's Consumer Information concerns silverware, dishes and glassware, both pressed and blown.

In the library Miss Clarke will show two Senior projects with booklists, on story telling to children and books for recreational reading that include travel and adventures, poetry, novels, and biography.

M. K.

SAVE YOUR CHILD'S TEETH FROM DECAY

Every tissue of the body except the teeth is repaired by nature when injured. If a nnger nail is broken a new nail grows in. When a tooth is broken or its substance destroyed by decay, abrasion or erosion there is no natural provision for repair and the tooth remains permanently injured.

Decay of the teeth is preventable to a certain degree. The first step is to provide children before birth and after with foods rich in calcium and phosphorus. The health of the teeth throughout life will depend to a considerable extent upon the degree to which they are kept clean. The responsibility for this rests upon the parents. All habits established firmly in childhood have a tendency to persist throughout life.

The jaws in which the teeth are arranged, however, are subject to changes during development. They continue to enlarge the same as other bones during the completion of the first or temporary set of teeth, space begins to form between them. Under normal conditions they continue to enlarge until the second or permanent set of teeth come through. This sometimes is a source of unnecessary anxiety to parents who do not understand the changes taking place.

After the completion of the temporary set of teeth they should serve a period of six years, and the cuspid and bicuspid teeth, (sometimes called eye and stomach teeth) must last until the child is eleven or twelve years old.

Therefore it is of the utmost importance that they should be kept clean and carefully watched for evidence of decay. If a temporary tooth is lost before the natural time for a permanent tooth to erupt, it will cause irregularity in the growth of the jaw. Decayed temporary teeth should be filled to prevent pain, to preserve a comfortable chewing surface, to prevent infections from entering the body, by way of the teeth, to avoid their not closing properly and to maintain a healthy condition of the mouth for the eruption of the permanent teeth. Many children have green stain, or "moss" as it is sometimes called. This forms on the front surfaces of the teeth, near the gums. This deposit is extremely destructive to the enamel and should never be allowed to remain on the teeth. Green stain can not be removed by the tooth brush. The child who has this deposit should be taken to the dentist or clinic and have it removed.

The best time to protect the health of your child is before she is sick. Sound teeth and healthy gums in childhood will prevent much unnecessary suffering in later life.

Keep your children's teeth clean, regulate their diet so that they can get enough bone building foods; have their teeth examined by your dentist or clinic regularly.

A clean mouth with a full set of sound teeth is an important factor in personal attractiveness. Most important however, is the influence of teeth on the health of the body.

SUMMER SUGGESTIONS FOR POULTRY

Hot days are bound to be with us sometime during the summer, even though the last few days of May and early June seem to belie the fact. The extreme changes which we often experience within a few days time here in Massachusetts mean that the poultryman should be awake to such changes, and should handle his birds accordingly.

Too often he is likely to be mechanical and not make adjustments in ventilation and wind or rain protection (the wind and rain precautions with particular reference to quite young birds in shelters) which he has within his means to make. The thoughtful poultryman will put himself in the chickens' place occasionally to the advantage of the chickens.

Laying pens and brooder houses should work rear, front and top ventilation by means of windows and slots to the maximum. The comfort of the birds may be materially improved many times by the installing of simple wire doors or screens in place of wooden ones. In the case of a long house, a series of wire doors in the end and partitions will make an appreciable difference in air circulation. This is less marked in a colony brooder house, but valuable nevertheless.

Short, tender grass or clover is greatly relished by birds that do not have access to it. It is one of the best tonics and appetizers that they can have, and incidentally one of the cheapest. Vitamins and minerals galore!

The mites will get you if you don't watch out! Yes, even in brand new summer shelters and brooder houses sometimes. If you have neglected to use creosote or carbolineum in the preparation of your houses for your chicks take care of it now before it is too late. Creosote roost supports and if birds are using the buildings, creosote two or three roosts at a time and allow them to dry before completing the job. This will prevent burning the breasts which might occur if the birds had to use the roosts immediately after treatment. Mites feeding on blood are potential carriers of disease from sick to healthy birds. Lice, too, should be mentioned in passing, with particular reference to layers. Black leaf applied to roosts in a fine stream an hour before roosting time, and then followed 10 days later with a second dose should take care of that situation if your birds use the roosts.

(Continued on page 3, col. 1)

Your child's smile will reflect her personality, so why not have her reveal clean, well cared for teeth?

Mary E. Roundy
School Nurse

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

JUNE, 1941

STUDENT EDITORS

Homemaking Department

Ruth Adams '41	Georgetown
Lena Barbagallo '41	Lawrence
Mary E. Carey '41	No. Andover
Dorothy Daly '41	Lawrence
Eleanore Gray '41	Marblehead
Rita Hitchcock '42	Danvers
Margaret Kennedy '41	Lawrence
Ruth Maxwell '42	Lynn
June Porst '41	Methuen
Lucy Tela '41	Lawrence

JUNIORS PLAN GARDEN SHOW

The Junior class has selected its committees for the Garden Show to be held Wednesday, June 18. Serving on the committees are all of the Junior girls.

Elected to Show Manager was Evelyn Hall, of Andover.

Assistant Show Manager, Ruth Karlsson, Sangus.

Clerk, Helen Small, Danvers.

Schedule and Prizes, Ada Fothergill, Danvers; Lorena Loeffler, Lawrence.

Judging, Rita Hitchcock, Danvers, chairman; Irene O'Brien, Salem; Thelma Grey, Haverhill.

Labeling, Eleanor Annis, Peabody. Secretary, Rita Bosse, Lawrence.

Publicity, Elaine Kennedy, Danvers. Catherine Cahill, Lynn, Dorothy Rowbottom, Danvers.

Division chairmen are: Garden, Ruth Maxwell, Lynn; Collection, Bette Kirwin, Peabody; Demonstrations, Doris Donze, Lawrence; House Plants, Ruth Woelfel, Peabody; Plant Arrangement, Judy Jameson, Sangus; Garden Flowers, Elaine Kennedy, Danvers; Flower Arrangements, Regina Barrow, Sangus; Garden Plants, Virginia Rushworth, Danvers.

We chose a green cover and white pages for our booklet of divisions and schedules.

R. E. M.

HISTORY SLIDES

The Seniors enjoyed some slides of historic spots recently. Although they were supposed to correlate chiefly with their history, they referred to many things that the girls had learned in science, interior decoration, and fabric study. The slides of old American houses showed several in Essex County. Old kitchens and their equipment sometimes brought smiles. Candle molds, carding of wool and other colonial industries were clearly pictured. Some of the old gardens were beautiful. Many of the home industries of colonial days are being revived, quilt making, lace making, knitting and rug-making. It was an enjoyable history lesson.

L. B.

NEWSWRITERS' REPORT

Margaret Kennedy of Lawrence has acted as secretary for the newswriters in the Homemaking Department during the entire school year and is to be commended for being so faithful.

Of the fourteen girls who started with this group last September, nine are still in the group as school closes.

During the year these girls contributed ninety-two items to the Farmer and Homemaker Supplement.

R. A.

MEMORIAL DAY PROGRAM

On May 29, in the Homemaking Building a Memorial Day program was given at an assembly of the Homemaking girls. Ann McGann of Peabody, a Senior, was chairman.

The program was as follows: Salute to the Flag by the School. Song, "Star Spangled Banner", sung by the School.

"Decoration Day" was read by Bertha Delduca.

A comment on the writing of the "Battle Hymn of the Republic" was read by Ann McGann.

Song, "Battle Hymn of the Republic", sung by the School.

"Memorial Day" was read by Claire Burgess.

"O Captain, my Captain" was read by Evelyn Seacole.

A comment was made by Ann McGann on the writing of the Civil War song "Tenting Tonight".

The program closed with another song by the girls entitled "Tenting Tonight".

L. B.

AFTERNOON TEA SUGGESTIONS

The High School B Division were guests at a tea given recently by the High School A group. Kathleen Ganey from Beverly, acted as Hostess, Margaret Morrissey as pourer and three girls as waitresses. The girls prepared several kinds of dainty sandwiches, cookies and delicacies which were attractively arranged on plates, and made a pretty picture with their various colors and garnishes. A very attractive silver set was used, part of which was donated by the class of 1939. From this tea were derived the recipes for this month which are easy and enjoyable to make.

Open Cucumber Sandwich

Cut small circles of bread and spread with mayonnaise. Place on top of this a slice of cucumber or tomato and on this a tiny dab of mayonnaise and parsley as a garnish.

Cornucopia Sandwich

Cut a square of thin bread. Spread two edges with butter and fold over pressing firmly together. Chill before using. Fill with a salad filling using a little lettuce, celery or watercress.

Tea Baking Powder Biscuits

Use the standard recipe for baking powder biscuits. Shape with the inside of a small doughnut cutter. Place on a cookie sheet and bake. Split them in halves and spread with butter, orange marmalade or jam. Serve hot.

L. T.
R. A.

MEMORIES OF ESSEX AGGIE

The time I have spent as a student at Essex Aggie has been so filled with pleasant and instructive things, it is hard to say just which one has been most helpful to me in choosing my future vocation.

Making new friends with students from many sections of the County broadens one's outlook on life, and helps build a better personality.

The healthful location, sanitary conditions under which we study and work, good food cheaply bought from the cafeteria, the physical instruction and check-ups, given us; also the kindness and patience of all our teachers, build better bodies and minds.

I will have memories, too, of the assemblies, flower shows, parties, picnics, afternoon dances, "proms", as well as skating and tennis.

The classroom work was well planned and skillfully taught, and the standards high in every course. All these things have helped me in choosing and will be of help to me in working at my chosen profession.

Wherever I may be through the years to come I shall have happy, happy memories of our Essex Aggie.

M. E. C.

INSTRUCTIVE and INTERESTING MOVIE

Last week the students in the Homemaking Department enjoyed a moving picture of the Salmon Industry in Alaska. Salmon are not only tasty to eat but are very interesting. They will surmount any difficulty to get back to the place of their birth to spawn. If an obstacle is placed in their way they will jump several feet in the air to go over it. This movie was very interesting and educational, showing stages from the time hatched to canning.

Many of the pictures showed beautiful landscape scenes of the different sections of Alaska.

M. E. C.

HEALTH CAMP MOVIES

Recently at a special assembly, Miss Vera Griffin gave a very interesting and instructive talk on the value of our child health camp in Essex County.

These camps are chiefly for underprivileged and undernourished children whose home environments make them susceptible to tuberculosis. Our Essex County Health Camps give these children good air, proper food, rest hours, trained nurse supervision and all athletic activity suitable to their age. Almost one hundred percent of these children gain in weight at these camps.

If you ever visit these camps you can see how very happy the children are there.

M. E. C.

HALF WAY STAND

The Half Way Stand on the Newburyport Turnpike is now opened for the season. Leo DuBois of Beverly, Kimon Bournazos of Haverhill and Sydney Barlow of Lawrence have been selected to tend the stand alternating with work in the vegetable garden.

Sydney Porter, graduate foreman in the vegetable garden division will have general supervision of the stand.

This stand, which is operated by the Essex Chapter, Future Farmers of America helps support student activities as well as train students in the art of merchandizing. Last year this Stand received an award for its neat and attractive appearance.

SOFT BALL

Spring brought soft ball enthusiasts to the fore and the Bauer Field was the scene of a series of play-offs. Juniors took the Freshmen and the first game while the Seniors eased out a victory from the High School Graduates. At the time this paper goes to press there is the final game between the Juniors and Seniors to be played. Stiff competition is expected on June 6 when they battle for the championship at the Echo Club picnic.

M. K.

AFTERNOON TEA

As a part of their class instruction in foods the Juniors learn how to serve Afternoon Tea.

Recently the Junior B's practised what they had been taught in this type of service.

The Hostess was Regina Barrow, Saugus, who also poured. The Waitresses were Bette Kirwin, Peabody; Eleanor Annis, Peabody; Ruth Maxwell, Lynn.

The Guests were the members of the Homemaking faculty and the Junior A Division.

At this Tea, were served a variety of sandwiches, mixed cupcakes and tea with lemon and cream.

R. E. M.

1941 FASHIONS

Miss Tonis, representing the McCall Pattern Company, gave a talk on trends of dress for the summer of 1941 and illustrated her talk with dresses modeled by some of the Homemaking girls at an Assembly, Monday, June 2.

Her pleasing manner and apt remarks expressed in a popular way would make almost anyone want to follow her suggestions "to get out a sewing machine and make something".

She emphasized the need of a suit this season. A sweater or scarf may be used with it; blouses, too, are most attractive, now; or, it may button high and need no supplementary article.

Doris Englehardt of Lawrence, modeled a suit of natural color spun rayon and cotton. The material is washable and crease-resistant. The green and white striped blouse added a bit of color. Such a costume is adaptable to numerous types of accessories.

Next a two-piece shell-pink sharkskin dress was shown by Arlene Crossman of Salem. The blouse was double-breasted with matching buttons and had a peplum. It had a set-in belt.

Previous to the war most buttons used in the United States were imported, but this button problem has been overcome and now our own country is producing most attractive buttons that cost very little.

Althea Dennett of Bradford showed a red pique coat, good for beach or street. Under it she wore a shirt waist dress of green spun rayon trimmed with red buttons. The action-back had a yoke both back and front and a tie belt.

For sports Marjorie Hollingsworth of Peabody showed a pinafore of figured pique and this covered a white shorts suit.

A red and white striped seersucker was shown by Teresa Lambert of Salem. An interesting use of stripes was displayed in this practical dress that buttoned up the back.

Phyllis Tremblay of Amesbury went patriotic in a figured dress of blue and white trimmed with red. There was a bodice waist and a zipper closing. The red pique coat looked well with this costume also.

A beige dress cross-barred with white was modeled by Doris Durkee of Danvers. This, too, was of spun rayon called candlewick rayon. This was a street dress and one of the most attractive shown.

Last came Barbara Hennigar of Danvers in a blue figured evening dress. It had a rather high neckline and short sleeves. Miss Tonis' advice was "to wear it once or twice and use it for a housecoat".

The speaker emphasized the low cost of these clothes and ended by saying, "All of these are yours for the making!"

Mrs. Dunn introduced the speaker and had charge of the Assembly.

ROLLING ON RUBBER

Rubber-tired farm machinery runs at higher speed and less cost than steel-wheeled machinery, and is more comfortable for the operator.

STUDENTS EMPLOYED ON SCHOOL FARM

Every summer certain students find employment for both profit and experience on the school farm division. This year the following students are employed as of June first.

Vegetable Garden Division: Kimon Bournazos, Haverhill; Leo DuBois, Beverly; Sydney Barlow, Lawrence; Charles Sioman, Peabody; Joseph Joyce, Danvers; William Bolduc, Lawrence.

Poultry Plant: Norman Cobb, Beverly; Alden Moreland, Middleton, (student foreman).

Fruit Division: Edward Lynch, Lawrence; Harold Kelly, Beverly.

Fruit Nursery: Marvin Williams, Lynn.

Greenhouse: Douglas Wheeler, Lynn; Irving Barter, Beverly; Silvio Bimonte, Swampscott; William Thomas, Peabody.

Ornamental Division: Joseph Hogan, Salem; Guido Germano, Peabody.

Farm and Dairy Division: Burton Smith, Haverhill; Edward Hyde, Nahant; Leo Kopacki, Lynn, (sub-freshman); and Joseph Roche, Groveland.

G. E. G.

WEEKLY REPORT BRIEF

You have read in the newspapers about the great war going on in Europe today but you don't hear about the war being waged here at — farm.

Curculio have attacked our apples, peaches and plums. We rolled out our spray tank to defend our fruit, but the engine wouldn't go. Finally we got it into action and we poured on the lead and oil. Now we are having a truce at our own terms. "Death to every curculio".

Our material for defense for the first cover spray was, 8 lbs. lime, 6 lbs. wettable sulphur, 1 pint fish oil and 4 lbs. of arsenate lead.

CLOTHING MEMBERS SAVE MONEY

"A penny saved is a penny earned". How often we hear that quotation. Clothing girls in 4-H Clubs certainly know what it means to be able to make their own clothes and save dollars, not only pennies.

Mrs. Warren Merrill of Georgetown said at the time of her exhibit, "We don't realize, sometimes, until we actually stop and do some figuring, just how much is saved by home sewing". Mrs. Merrill has four girls in her club, and these girls made quite a few garments including wool suits, silk dresses, blouses and undergarments. A conservative estimate valued these garments at \$55.00, current store prices. Actual cost of materials was around \$20.00, which means a total saving of at least \$35.00. Not bad at all!

This is only one example. Think of what the composite figures for the whole county would be! When the records from this season's exhibits are complete, we should have a very interesting bit of statistics.

Ida B. Davis
Assistant County Club Agent

Summer Suggestions for Poultry

(Continued from page 2, col. 3)

The fly crop is one crop that always seems to be successful. Its continued success may mean real trouble to the poultryman with respect to tape worms and botulism (similar to ptomaine poisoning). Sticky fly coils, looped between the rafters in laying pens, brooder houses and shelters early in the season and through the summer will trap hundreds of these pests in short order. Bought in lots of 100 these coils can be purchased for 2 cents or less, and you'll easily get that much satisfaction.

Superphosphate on the manure on dropping boards or in pits, and the storing of manure in a screened shed or its removal from the premises are of course important in fly control. Needless to add, perhaps, is the prompt disposal of dead birds by burning or deep burial.

Vaccination against fowl pox should be done preferably during sunny summer weather at from 8 to 16 weeks of age. Last year some poultrymen did not get complete satisfaction from vaccination, whether this was due in part to the new embryo vaccine itself or whether in part to its handling between the manufacturer and the application is a question, but, the poultryman can buy either the type made from embryos or from the chicken. He should know that the vaccine has been properly kept in a cool place from the time it left the manufacturer until applied to the birds. These instructions are definitely noted on each box. Because of last year's experience poultrymen will be looking more critically for "takes" at the end of a week than in recent years.

J. Stanley Bennett
Poultry Instructor

FARM AND HOME WEEK

(Continued from page 1, col. 2)

goat breeding, dairy and general agriculture, lawns, and home and community recreation. Programs for rural churchmen, feed dealers and Grange members will also be held during the four days. Members of the Parent-Teachers' Association are holding a special meeting at Amherst, Monday, July 28.

Programs and the days on which they are scheduled are as follows: Parent-Teachers' Association, Monday; Homemaking, Tuesday, Thursday and Friday; Rural Church, Tuesday and Wednesday; Food Preservation, Tuesday, Thursday, and Friday; Home Garden, Tuesday, Wednesday and Thursday; Fruit, Thursday and Friday; Forestry, Tuesday, Thursday, and Friday; Vegetables, Tuesday; Beekeeping, Friday; Poultry, Thursday and Friday; Feed, Wednesday; Goat, Wednesday; Agriculture, Tuesday; Dairy, Wednesday; Grange, Wednesday evening; Lawn, Thursday; Recreation program, every day; and Special programs Tuesday, Wednesday and Thursday evenings.

Advantages and Disadvantages, etc.

(Continued from page 1, col. 1)

In the matter of food farm families consume more protein, calcium, phosphorus and iron than is necessary for good nutrition while the diet of the industrial workers' family is deficient in all of these essentials. Farm families consume more meat, eggs, fruits and vegetables than do the families of industrial workers in the city, who depend mostly on cereals.

In reference to clothing and modern home equipment the farm families are not so well off as city families. The surveys show that on the average farm families spend less for clothes than do the city workingman's family; and although the farm house has more rooms than city houses they have fewer modern conveniences. Comparatively few farm homes are completely modernized.

On the basis of vital statistics reported in the Federal Census of 1930, the life expectancy of the rural white male at birth is 62 years, while the urban white male is under 57. For girl babies the corresponding figures are 65 and 61 years. At all ages from 10 to 40 the rural life expectancy is 3 to 4 years longer than the urban.

In regard to the accumulation of wealth the economist says that there is the possibility of a young man or woman who leaves the farm for the city becoming many times richer but there is a strong probability that he or she will die poorer in the city than on the farm. Wealth in the city is highly competitive and the big fortunes are acquired by a few. Wealth in the country for the most part is the result of hard work, managerial ability and thrift.

Farm life affords more substantial enjoyment. John Ruskin, once wrote, "There is no wealth but life". The farmer deals with plant, animal and human life. Agriculture is based upon the reproduction and continuity of life. It is this knowledge of and respect for life that makes the farmer's life more satisfying.

Truly it is said that "Agriculture is the noblest work of God". To farmers and their families is entrusted the conservation of our soil, forests, crops and animals. The farmers of America have a great heritage but theirs is a great responsibility. They must pass on to posterity a greater heritage than they have received, more fertile soil, extensive forests, improved livestock, and abundant crops. There are thousands of strong virile boys and girls accepting the challenge of the farm.

George E. Gifford
Academic Instructor

4-H EXHIBITS
OF GARDEN PRODUCE

There will, as usual, be an opportunity for every 4-H garden member to exhibit vegetables at Topsfield Fair, September 3 to 7. All entries should be in the hands of the Club Agents by August 27. It pays to plan ahead for exhibits. Club members should circle that calendar date. See your local

GARDEN CHAT

Have you ever been in the position of having company come in on you at meal time unexpectedly and you did not have enough to go around comfortably? That's the way many of our plants must feel when you permit the weeds to grow and thereby draw upon the food available that the plants should have, and there isn't enough to go around. The weeds are much like the unexpected guests and like you, being polite, see that the guests are well taken care of. The weeds take care of themselves and generally thrive better than the crop plants.

Asparagus beetles have been very plentiful this season and have caused much damage to the stalks. The trap method should be used to combat these insects. Allow several clumps of stalks to grow in different parts of your bed and after they have feathered out some, the beetles will flock to them as you cut the other stalks. Spray or dust these grown-out stalks with rotenone or some arsenical spray or dust.

Flea beetles are ravaging tomato, potato, egg plant and turnip leaves. These small insects are black, about the size of the head of a pin, and chew right through the leaves. Arsenical sprays or dust should be used now for controlling them.

It is not a good policy to work among plants when they are wet, as it may cause spread of blight of tomato, potatoes, beans, and vine crops, and spots on beans. Cultivation should take place after the moisture has dried off of the leaves. Speaking of cultivation, it is always a good policy to practice it after each rain. Cultivation disturbs weed growth, conserves moisture and aerates the soil; these are all needed for the production of good plants and yields.

Perhaps you have some land that is not being planted this season and rather than to leave it idle, why not sow some buckwheat seed on it and this can be turned under after blooming stage and seeded down to a Fall crop of rye. If you do sow buckwheat, use at rate of one to one and one quarter bushel per acre basis. This crop grows very rapidly and will choke out many weeds and when turned under will add organic food to the soil.

Are your beet tops quite red in color? Where the leaves are reddish, the soil is very likely acid and beets require an alkaline soil. Remember this for your Fall planting or next Spring and see that your soil is limed before sowing seed.

C. M. Stearns

leader to get entry blanks, and be out to make some prize money from this real opportunity at your County Fair.

There will be an opportunity for garden members to exhibit at the Boston Horticultural Show at Horticultural Hall in Boston. This Show will be held on August 28 and 29. Club leaders will be sent entry blanks and premium lists of this show. The Horticultural Show is a statewide event. Let's go Essex County 4-H Garden Members and Leaders. Try and Exhibit in Boston.

Byron E. Colby
County Club Agent



4-H Club Notes



CAMP LESLIE STAFF

Camp Nurse, Miss Eileen Brown, R.N. Salem, a Service Club Member.
Cook, Mrs. Florence Croft of Danvers.
Assistant Cook, Miss Ina Stephenson, South Groveland.
Athletic Director, and Nature Instructor, Nathan Hymanson, Lynn.
Craft Instructor, Miss Frances Hartmann, Andover.
Assistant Craft Instructor and Dramatics, Mrs. Byron E. Colby, Hathorne.
Swimming Instructor
Co-Directors, Byron E. Colby, County Club Agent.
Miss Ida B. Davis, Assistant County Club Agent.

DONATIONS TO CAMP FUND

In answer to our plea for help, we have received contributions from a number of private people and organizations such as Granges, Clubs and fraternal groups, to add to our Camp Leslie Fund.

We certainly appreciate this help. 4-H ers themselves have also come forward, and we have received \$5.00 from Beverly Clubs members, \$4.00 was turned in to Camp Fund by Mrs. Arvid Molitor of Danvers as the result of a food sale during the Danvers combined exhibits on May 23.

All this brings the day closer when Camp Leslie will become the property of Essex County and a permanent 4-H Club Camp.

NATIONAL 4-H CAMP

Two boys and two girls will represent the Bay State's 20,000 4-H club members at the annual National 4-H Camp in Washington, D. C., June 13 to 25. The delegates are Phyllis Hamilton of New Salem; Muriel Alley of Rehoboth; George Hoffman of Saugus and Gerald Smith of Vineyard Haven.

George Hoffman enrolled as a 4-H club member in 1935 at the age of 14, and made a profit of \$24 on his first year's labors as a garden project member. Then turning to poultry projects, he made enough on his flock to help pay his expenses while attending Essex County Agricultural School, and was chosen Essex county 4-H poultry champion two years running. Active in conservation and music club work as well, George is now leader of the Saugus Red Rooster Junior Club, and president of the Red Rooster Club for his second term. He has also been organizing discussion groups among 4-H clubs in Saugus, and is an honor student at the Essex County Agricultural School, where he is majoring in horticulture and poultry.

CABINS FOR CAMP LESLIE

Speaking of donations, two more cabins will be made available for the use of the campers this summer. One cabin is being given by the Saugus Lions Club. Lumber for a second cabin is being given by the D. M. Cronin Lumber Co., of Saugus. With the addition of these two, we will have a total of 9 cabins.

Camp Leslie Registrations are already coming in; forty registrations have been received to date. A varied and valuable program is being outlined for the best interest of our campers. All indications point to a very successful season this summer.

4-H er, will YOU be at Camp Leslie to join in the fun? I. B. D.

NEW CLUBS

A new 4-H Agricultural Club has been organized in Haverhill under the leadership of Donald Smart an older 4-H member. There are 16 members in the club.

The town of Amesbury has a new 4-H Agricultural Club, led by Mr. Donald B. Howard. The club members will take up poultry and garden work.

The Georgetown 4-H Club for Agricultural boys is called the Leslie 4-H Agricultural Club. The group is led by John Travis. The officers of the Club are: President Stanley Tidd; Vice-President, William Marshall, Jr.; Secretary, Norman Osborne; News Reporter, Robert Nelson. The first meeting was held at the Georgetown School on May 26.

A Dairy demonstration team is being developed in West Newbury. The subject is "Dehorning Calves". Lyman Orcutt and Robert Woodworth will conduct the demonstrations at Walpole, Mass., on June 14 at the Eastern Counties elimination contest. The winning State team will have a trip to Tennessee.

LOCAL LEADERS HONORED

Three local leaders who have completed 10 years of leadership were honored at the last Service Club meeting, May 16. Mrs. W. H. Cann, Danvers; Mrs. G. Richard Abbott, Andover; and Miss Clara Kearney, Swampscott, were presented with beautiful leadership pins in recognition of their long and faithful service.

As part of the evening, the 4-H girls of Danvers Highlands presented their musical program, "Garden Memories", prepared by the Wild Rose Music Club. This program was presented and very much enjoyed.

After the meeting, the group enjoyed a talk by Mr. Vernon W. Evans, Superintendent of School in Saugus.

The next meeting of the Service Club will be held on Friday evening, June 20, at Camp Leslie.

JOLLY PLOW BOYS

The Jolly Plow Boys of North Andover, a 4-H Garden Club, has organized with Miss Doris Albrecht as leader. This club has been active for several years. On May 22 the Club Agent met with the club. A great deal of interest was shown in the development of a 4-H Vegetable Roadside Stand. The boys are also working on a Garden Demonstration on Insects. Six new members have joined the club and they are looking forward to a real year of gardening.

CONSERVATION VAN AT CAMP

The Andover Village Improvement Society, through a donation of \$10.00 arranged by the president of the organization, Miss Mary B. Smith, has enabled Camp Leslie to have the Conservation Van at the Camp one day during the camping season. The Van is sponsored by the Massachusetts Conservation Council, which is a state branch of the National Wildlife Federation. The truck, loaded with natural interests such as birds' nests, insect collections, stone displays and many other things of interest to those who enjoy the wonders of nature, will visit camps all over the state. It is operated by two well trained young college men from Massachusetts State College. They also give illustrated lectures on the various topics. It is hoped that many young people will enjoy seeing this van, and more have the chance to go on conducted nature tours in the woods to learn the birds and plants.

The date of the visit of the Van will be released as soon as it is scheduled.

The Andover Village Improvement Society is also sponsoring a 4-H Forestry Club through the summer months. Two older boys who do out standing work in the club will be selected to do additional work in the Town Forest of Andover for a month, at good wages.

The 4-H Club Department of Essex County is pleased with the interest and help shown by this Society.

PRIZE GARDENS

The outstanding 4-H gardens in each town having a garden club will be selected and prizes will be awarded. The best gardens will compete in a county wide contest for two medals awarded by the Massachusetts Horticultural Society of Boston. Will the best 4-H garden in Essex County be in your town?

ESSEX FARMER AND HOMEMAKER

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HATHORNE, MASS.

JULY, 1941

NO. 7

Color in the Home

Inasmuch as the intelligent use of color can do much towards the transformation of a drab, cheerless room to one of charm and attractiveness, it is well that the homemaker should become familiar with the effects that may be produced with color.

Color not only can perform almost magical tricks, but it also greatly enriches our daily life. It is well, then, to endeavor to overcome any fear we may have regarding its application to the home.

One of the important effects of color is its quality of appearing to be either warm or cool, and it might be well here to review this quality. Colors on the red, yellow or orange hues, including peach, gold and tan appear warm in effect, while blue, green, violet, gray and silver appear as cool colors.

In selecting a color scheme for a room, therefore, it is well to consider this effect of apparent warmth or coolness for it plays an important part in relation to exposure and light reflection. Rooms with a north or east exposure, or those without sunlight, need warm cheerful colors. Contrari-wise, rooms facing the south or west, or sunny rooms, need the cooler colors predominating.

(Continued on page 2, col. 3)

STAFF NOTES

June 1941 has been a red letter month in the life of Director Mostrom. In fact it is not often that so many outstanding events can happen to one person in less than a year. Last fall he became Director of Essex Aggie. In June he returned to Mass. State College for his 25th reunion of his class. Then on to Wheaton, Illinois, to attend the graduation exercises of his elder son from Wheaton College.

Each year three senior girls who have been outstanding in their work while attending the Homemaking Department are chosen as Laboratory Assistants for the coming year.

Reina Gumb of Methuen will be Mrs. Dunn's assistant in Clothing while Phyllis Cook of Beverly and Bernice Marsland of Methuen will assist in the Foods department.

Elaine Kennedy of Danvers is assisting during the summer in the farm boys' dining room.

Frances Gangi of Lawrence of the Class of 1939 came back and substituted during the last month of school as this year's Laboratory assistants left to take summer positions. Adelaide Webb of Andover and Olive Judge went to Fieldstones while Ernestine Lawrence of Marblehead accepted a position in a dentist's office.

Nutrition for Defense

The last week in May a National Nutrition Conference for Defense was held in Washington at the request of President Roosevelt. This conference was attended by 900 delegates from all parts of the country.

If "Nutrition" is important enough for a national conference to be called by the President of the United States certainly it is of paramount importance to us as individuals. We know that only one third of our people have good diets, one third have fair and one third have diets that are poor. While much of this may be an economic problem — that people do not have the money to have the right kinds of foods — many people do not like certain foods, because their families never ate them, because they are not convinced they are necessary and for any number of reasons.

One way of improving the diets of our people is for each one of us to see to it that the nutrition of our families is correct. There is no question of a food shortage in our country, there is plenty of food. Food prices may rise somewhat and because of this we may have to change our food habits.

How about filling some of those empty glass jars that are down cellar? You may have a little surplus from your home garden or if you haven't it will pay you to buy vegetables and fruits in season and can them.

Several canning meetings will be held in the County starting promptly at 1:30 on each of the following days: Topsfield, Tuesdays July 8 and 22, August 5 and 19 and 26. Newbury meetings will be Wednesdays July 9 and 23, August 6 and 20 and 27.

There will be a series of meetings in Byfield the dates to be announced later. A group will meet in West Haverhill on Thursdays, under the direction of Miss Lawler, July 17, August 7, 28 and Sept. 11.

Next fall there will be Nutrition meetings held in Andover and Haverhill. Watch next month's issue of this paper for more information about these.

K. M. L.

RADIO PROGRAM

Beginning with Monday July 7, there will be a Radio program at eleven o'clock over station WLAW, Lawrence, 680 kilocycles.

Miss Katherine M. Lawler our Home Demonstration Agent will be on each week except the second Monday of each month when the 4-H Club Department will have the program.

July 7 — Nutrition for Defense.
July 14 — 4-H Club Activities.
July 21 — Farm and Home Week.
July 28 — Canning Problems.

Salads

Everyone likes a variety, so instead of always having lettuce as a salad green use some other greens such as endive, chicory, watercress, escarole, romaine, cabbage, sprigs of mint, spinach, young beet tops, dandelion greens and celery leaves. Four things to keep in mind about your greens are: have them clean, cool, crisp and dry.

Have a variety of fruit salads that are easy to prepare and that the family likes. Fresh fruits are rich in Vitamin C, and everyone likes them from sonny to grandad.

Banana Melon Ball Salad

1 ripe banana Melon Balls Salad greens
Peel and cut banana lengthwise into halves. Place halves cut sides up, side by side, in center of salad plate. Place a few melon balls at each end, between the banana halves. Garnish with greens. (Serves one.) Serve with mayonnaise or cream dressing.

Royal Salad

Romaine 1 grapefruit 1 green pepper
1 orange 1½ pears 6 strawberries
Arrange romaine on individual salad plates. On this arrange three segments of orange, two of grapefruit, two sections of pear, separating the different fruits with a slice of green pepper. Top with mayonnaise. Serves six.

R. A.

AGRICULTURAL POLICY

The joint statement on agricultural policy prepared by the three largest national organizations, (Grange, Farm Bureau and National Cooperative Council) emphasizes three important farm points of view: "Those responsible for this statement of policy feel that agriculture can not properly function and fulfill its duty to the nation unless farmers receive their fair share of the National Income.

We recognize the rights of labor and agriculture to organize and to bargain collectively, but the emergency requires immediate effective authority and action to eliminate all acts or threats of violence, destruction of property, intimidation, coercion and illegal collusive practices whether in industry, labor or agriculture.

It is to the interest of all people to develop and maintain a fair economic balance between farm prices, industrial prices and the wages of labor on a level that will assure the maximum production and consumption of goods and services. Wherever price controls are applied, they must conform to this fundamental principle".

Essex Farmer and Homemaker

HATHORNE, MASS.

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INSECTS ARE ABUNDANT

Horticulturalists report that most species of economic insects are very abundant in Essex County this year. With an abnormal spring, practically all insect pests got off to an early start and in many instances extensive damage has been done before the seriousness of the infestation had been realized.

Vegetable growers have observed considerable early damage by root and leaf maggots, especially the spinach leaf miner and the cabbage maggot. Two instances are known of severe damage to sprouting beans by the seed corn maggot, a pest seldom observed in Essex County. It seems reasonable to believe that the corn borer infestation will be spotty and probably heavier than last year. Growers are reporting severe seedling damage by striped cucumber beetles. This pest will cause considerable damage this year.

Tree lovers are greatly concerned about the heavy infestation of Gypsy and Brown-tail moths, and Elm and Willow leaf beetles. It is very evident that we can not reduce control expenditures to any great extent and continue to keep these pests under reasonable control. The Rose Chafer (rose bug) has been a nuisance to home gardeners; this year they are uncommon in most areas.

Fruit insects are as numerous as in past years. The codling moth emerged a bit later than usual and the calyx spray in many instances was applied too early to give maximum control. Larvae of the Raspberry sawfly have caused extreme damage in many plantations. This sawfly has not been an economic pest in past years.

James F. Gallant
Science Instructor

BETTER HOMES DAY

Those who attended Better Homes Day received many new ideas for their menus from the Food demonstration put on by the Meloripe Fruit Co. They gained ideas for their gardens as well as their storage closet for canned foods from the pictures and lecture by Prof. Arnold M. Davis of the State College who spoke on "Better Living from the Land". The exhibit that Prof. Davis brought with him along this same line was of interest to all.

The women were interested in the talk by Miss Florence Webster of Haverhill a retired school teacher who has traveled extensively. Miss Webster spoke on "Our Southern Neighbors". She stressed the point that we little realize the feeling against the United States in the countries at our south especially in Mexico and that the people there would side with the Germans before they would with us.

At the business meeting the following were re-elected for one year: Chairman, Mrs. Arthur Olsen of Manchester; Vice Chairman, Mrs. Bertram Savage, Newbury; Secretary, Mrs. Charles Reynolds of Peabody.

Members of the Council re-elected for one year: Miss Marion Parker, Beverly; Mrs. George Jones, Essex; Mrs. R. Howard Pettingill, Georgetown; Mrs. Charles Sweetser, Groveland; Mrs. Charles Canney, Ipswich; Mrs. Richard Costello, Lawrence; Mrs. Bertram Savage, Newbury.

Elected for three years: Mrs. Arthur Smith, Newburyport; Mrs. Guy Bean, Amesbury; Mrs. Frederick Works, Gloucester; Mrs. John Dodge, Haverhill; Mrs. Mason Blatchford, Rowley; Mrs. Frank Carson, Salem; and Mrs. William Keith, Topsfield.

Mrs. Olson, the chairman, appointed the nominating committee for the coming year: Mrs. H. K. Richardson, Middleton; Miss Clara Kearney, Swampscott; and Mrs. Richard Costello of Lawrence.

GIRLS WIN THEIR EMBLEMS

At the close of the morning program at Bauer Field on Parents' Day, Miss Doris Arthur, the physical education instructor awarded the following girls their emblems. Those who had won emblems previously were given numerals this year.

Numerals went to: Ilene Briggs, Beverly; Muriel Craven, Reina Gumb, Bernice Marsland, Methuen; Dorothy Rowbottom, Helen Small, Elaine Kennedy, Danvers; Ruth Maxwell, of Lynn.

Letters to: Barbara Bell, Carolyn Archambault, Methuen; Claire Gillespie, Mary Belfiore, Lawrence; Edith Quinn, Saugus; Marion Peatman, Andover; Ruth Thomas, Beverly.

FARM and HOME WEEK
JULY 29 — AUGUST 1

(Continued from page 1, col. 1)

The size of the room also should be considered. If a room is large, and seems hard to make homelike, try warm colors for the most part, as they will make a room seem smaller. Contrasting colors and a generous use of figured fabrics will also break up the apparent size of a room.

If a room, on the other hand is small, try cool colors predominating, and you will find that they give a feeling of spaciousness. Varying tones of one color and very little use of figured materials in a room will also help to add to the apparent size.

If a ceiling is too high, use a dropped ceiling effect, which means, bring the color of the ceiling down on to the upper part of the walls. Or one can also use a darker tone of the wall color for the ceiling. If the ceiling is too low use a light tone of the wall color for the ceiling.

An easy way for most people to plan a color scheme is to select an attractive multi-colored fabric or wallpaper to be used in the room, and then make this a basis for the colors to be used.

It might be well to state here, also, that smooth textures intensify color while rough textures decrease it. For example, cotton or wool fabrics in brilliant colors are easier to use than satin or rayon fabrics in the same colors. Also, for a unifying effect, repeat the principal color of a scheme in accents such as a lamp base, a small chair, a vase, or a piping on a slip cover.

These are just a few of the many effects that can be produced through the effect of color. Though it is an elusive subject, it becomes a fascinating study, and the results put into practice will be found most satisfying.

Margaret R. Harris
Instructor, Related Art

POULTRY PROJECT NOTES

Henry Cooper is employed on a large poultry plant in Middleton.

Richard and Ralph Peaslee are employed at Dr. Silvernail's in Middleton.

Ralph Wilkins, foreman at the school plant, has taken charge of the poultry at Chestnut Hill Farm, Newton.

Alden Moreland has taken over Ralph Wilkins responsibilities at the school plant.

Gordon Hall is now operating his own poultry farm on Tewksbury Street, Ballardvale.

ECHO CLUB OFFICERS

A few days before the girls of the Homemaking Department left for their summer vacations they held an election for the officers of the Echo Club for the 1941-1942 season. The results were President, Dorothy Rowbottom of Danvers; Vice President, Elaine Kennedy also from Danvers; Carolyn Archambault of Methuen for Secretary and Margaret Purcell of Lawrence for Treasurer.

1941 KID SHOW

The Essex County Milk Goat Breeders' Association are making extensive plans for their annual Kid Show to be held at the Essex County Agricultural School, Sunday July 13, at 2 P.M.

The Show is open to all breeders here in Massachusetts. The judge will be Allan J. Blackhall of Boston. The committee in charge of plans is Dudley D. Corey of Ipswich; John K. Lewis, Haverhill; and Kenneth Forman of Danvers.

There will be ribbons for 1st, 2nd, 3rd, in each class. Three dollars for Best of Breed, Two dollars for Runner-up, Three dollars for Best of Grade, Two dollars for Runner-up and a Pewter dish for the Best in Show. The Massachusetts Department of Agriculture donates agricultural prize money to the amount of \$25.00 of the premiums on the list.

Entry fee is 25 cents for each kid.

Classes

- 1 a. Alpine
Kids born after April 1, 1941.
- 2 a. Alpine
Kids born after Dec. 1st, before April 1st.
- 1 b. Nubian
- 2 b. Nubian
- 1 c. Saanen
- 2 c. Saanen
- 1 d. Toggenburg
- 2 d. Toggenburg
- 1 e. Grades
- 2 e. Grades
3. Best Kid of each Breed
4. Runner-up of each breed
5. Best Grade
6. Runner-up Grade
7. Best Kid in Show

PARENTS' DAY

Perfect weather, fine exhibits, many parents in attendance, all added up to make Parents' Day this year one that will be long remembered.

The girls did a grand job in the morning in their various stunts on the athletic field and there were many laughs from those who watched the girls in their obstacle races.

During the noon hour there were groups here and there on the campus of girls with their parents and friends enjoying picnic lunches. Many viewed the exhibits and there were many exclamations of surprise that the girls make such fine dresses for themselves and small sisters.

In the afternoon President of the Board of Trustees, Frederic Winthrop welcomed the guests and Miss Ethel Moore, Educational Manager of the Homemaking Department read a letter from Director Mostrom, and Miss Moore introduced the guest speaker, Miss Ruth E. Ormsby of Beverly.

Miss Ormsby spoke especially to the girls giving an inspirational talk on the subject "Give Us Dreamers".

A social hour was enjoyed, punch with dainty cakes and cookies were served.

GARDEN CHAT

Did you get your fill of asparagus this season? Asparagus cutting should stop by the fourth of July and one should then think in terms of feeding the roots well so as to build up a good promising cutting for next year. The success of a crop of asparagus depends upon the way and manner the bed is cared for during the cutting season. An application of 1500-2000 lbs. of a 5-8-7 fertilizer should be made to the bed at the close of the cutting season and well cultivated in. Frequent cultivations should be made to keep down all weed growth and thereby permit the asparagus to receive the full benefit of the plant food. How did your crop yield? A normal crop would return about twenty four hundred (2400) pounds per acre basis in Massachusetts. If you should have a serious infestation of beetles during the Summer a good dusting of the tops with rotonone will do a good job on them.

How nice those good fresh peas have been from your own garden compared to those that your neighbor may have purchased at the neighborhood store. Have you ever heard it said that the sugar contents of peas and corn (particularly) becomes less 20 minutes after being picked. Well, at any rate, the sugars start changing to starches very soon after picking and down goes the quality. For highest quality pick your peas and shuck them or pull your corn and strip the husks as soon as possible and then get them to the kettle. The ideal way to handle such crops would be to harvest, get to storage at once to lower the temperature of the product if it can't be got to the kettle immediately.

Although flea beetles are nearly over with their devastating march, there are plenty of other troubles to worry about during the remainder of the season. Potato bugs and tomato worms; bean beetles and aphids; blight and rusts; mildews and anthracnose; and others are waiting to have a chance at your produce before you do if you will let them have an opportunity. Why not secure your copy of Mass. Extension Leaflet 116 on "Control of Insects and Diseases" and be at war with them by using poisonous sprays or dusts. Keep the sprayer or duster going after these 5th Columnists to insure you of a worthwhile harvest.

Now is the time to be filling up with good, fresh native vegetables that are very reasonable and they are chock full of vitamins,—just like the vitamins you've been taking all last winter in the form of pills or capsules. Why not build up your bodies from these fresh vegetables while you can secure them fresh and cheap. Peas and corn have been referred to as well as asparagus, beans, tomatoes, cabbage, beets, carrots, and spinach are just loading our Eastern Markets and knocking at your doors for business.

Are you trellising your tomatoes this season? Two leaders produce the best results but don't forget to remove the suckers or lateral growths coming out at the axle of the leaves and main stems. The plants should be gone over

THE MOST IMPORTANT WORD IN NEW ENGLAND AGRICULTURE

At a recent conference at Durham, N.H., agronomists held a three day discussion on the most important word in New England Agriculture. This word represents the king crop of New England. The South has King Cotton, the West has King Corn and New England has King Grass.

Grasses and legumes are the backbone of New England Agriculture. They make possible the production of fluid milk to the large cities of New England. They prevent the erosion of soil from our steep hillsides. They cover-crop the land that produces our vegetables, corn, and fruits. They aid in the growth and management of our orchards. They beautify the graded roadsides and hold the shifting sands along our seacoast.

Grasses and legumes represent nature's way in raising livestock for milk, meat, wool and work. Unfortunately New England soils are not natural grass growing soils. Only fertilization, liming and proper management will provide good pastures. Enough farmers in our own Essex County are convinced that improved pastures and wider uses of grasses in feeding of dairy cows make for more profitable dairying to make grass the most important word in New England Agriculture.

Burton Wm. Gregg
Apprentice Teacher

JUNE GARDEN SHOW

The Junior girls held their annual garden show in connection with Parents' Day. Mrs. Herbert June of Danvers and Harold C. Stevens of the Ropes Memorial were the judges.

Sweepstake prizes went to Irene O'Brien, Salem; Lorena Loeffler, Lawrence; Betty Kirwin, Peabody; Elaine Kennedy, Ada Fothergill, Danvers; Doris Donze, Methuen; and Ruth Maxwell of Lynn.

Others who won prize were: Rita Bosse, Lawrence; Ruth Woelfel, Elinor Annis, Peabody; Evelyn Hall, Andover; Katherine Cahill, Lynn; Thelma Grey, Haverhill; Virginia Rushworth, Dorothy Rowbottom, Helen Small, Danvers; Ruth Karlson, Regina Barrow and Judy Jameson of Saugus.

Evelyn Hall was manager of the show with Ruth Karlson as her assistant, Helen Small was clerk.

every ten days or two weeks to remove these growths.

Potatoes are blossoming now — Remember to do your weed pulling and hoeing before blossoming and keep out of them afterwards as the vines should not be disturbed after this stage of growth. The potato tubers do all their growing after blossoming.

Keep the potatoes, tomatoes and vine crops well covered with bordeaux to prevent the spread of blight.

C. M. Stearns



4-H Club Notes



CAMPFIRE PROGRAM

The evening Campfire program at Camp Leslie will be as follows:

Sunday night Campfire

Program planned by Club Agents.

Monday Campfire

Run by Naumkeag Tribe.

Tuesday Campfire

Run by Tahattawan Tribe.

Wednesday Stunt Night

Between Tribes and Special Programs (see below.)

Thursday

Run by Naumkeag Tribe.

Friday

Run by Tahattawan Tribe.

Saturday

Candle Light Service—Visitors invited.

The Wednesday evening program not only takes in the Stunt Night between tribes but special programs as follows:
1st Wednesday July 16: A colored Sound Picture entitled "Trees and Homes". This picture was taken in the West and shows large scale lumber operations.

2nd Wednesday July 23: Mr. Lester D. Friend of Danvers will give an illustrated lecture on Locomotives.

3rd Wednesday July 30: Illustrated Nature Lecture by members of the State Conservation Van from the Massachusetts Conservation Council.

4th Wednesday August 6: Safety Movies, entitled "Approved by the Underwriters" and a second one entitled "Sounding the Alarm".

CAMP LESLIE PROGRAM — 1941

Program	
6:45	Reveille
7:20	Flag raising
7:30	Breakfast
8:00 - 8:30	Clean-up and inspection
8:30 - 9:00	Assembly Music
9:00 - 9:45	Nature Study (group 1)
9:00 - 9:45	Safety and first aid (group 2)
9:45-10:30	Reverse above periods
10:30-11:00	Swimming (group 1)
10:30-11:00	Personality (group 2)
11:00-11:30	Reverse above periods
11:30-12:00	Free time
12:00 - 1:00	Dinner Music
1:00 - 1:15	Canteen
1:15 - 2:15	Rest hour
2:15 - 3:15	Boating (group 1)
2:15 - 3:15	Crafts (group 2)
3:15 - 4:15	Reverse above periods
4:15 - 5:15	Organized play or swimming
5:15 - 6:15	Supper
6:15 - 6:30	Tribe meetings
6:30 - 7:20	Competitive games
7:20 - 7:30	Flag lowering
7:30 - 8:30	Camp fire
8:30	Snack
9:00 - 9:15	Warning call
9:30	Taps

WATER FRONT DIRECTOR

A Water Front Director has been engaged for Camp Leslie, Mr. Rodney Dresser of Georgetown.

He has been active as a camper since he was 13 years old. He is now a High School Teacher and received his Masters Degree on Child Guidance and Camping. Mr. Dresser has been an assistant director in scout camps for several summers. Camp Lesleites will be looking forward to meeting him. He is prepared to teach Advanced Swimming as well as teaching beginners and intermediates.

SINGER SEWING MACHINE CONTEST

Every year, the Singer Sewing Machine Company awards an electric sewing machine to the girl who shows the most skill and ability to use the machine and the binder attachment. Two girls from each county are eligible to compete.

The contest which will be held in September is open to Clothing Club members who are 14 to 21 years of age.

The following girls have enrolled in the preliminary tryouts: Constance Fitzgerald, North Andover; Rosemary Merrill, Sheila Marshall, Mary Dawley of Georgetown; Anne Leadbetter and Rose Biodini of Beverly.

CAMP REGISTRATIONS

According to Miss Davis the registrations are coming in very well, but there is room during the last week of camp August 3 to 10 for a few more to register.

4-H DAIRY TRIP

The following have been chosen from Essex County to go on the annual two day Dairy Trip. Robert and Donald Atwood of Haverhill; Lyman Orcutt, Donald Woodworth of West Newbury and William Colby of Newbury. County Club Agent Byron Colby will go with the boys and they will meet Assistant State Club Leader, Harley Leland and the other County Club Agents and their club members at the State House in Boston. After a trip through the State House they will visit a number of packing houses, grain companies, milk plants and large stores. The Essex County group will leave the larger group on the second day at Concord and return home.

DEMONSTRATION CONTESTS

Three demonstration teams competed in the Eastern counties contest at Walpole on June 14.

The Dairy team composed of Lyman Orcutt and Donald Woodworth of West Newbury demonstrated Preventing Horn Growth on Calves. They won first place in the Eastern Counties contest. This team will now have to give their demonstration in competition with Berkshire County who won the Western Counties contest. If they win they will have a free trip to Tennessee for the National contest. Good Luck to the boys.

The 4-H Garden demonstration team composed of William Hayman and James Cunningham of North Andover of the Jolly Plow Boys garden club also did a very fine job at Walpole. They had a second place team.

The Poultry demonstration team from Saugus demonstrated "You Can Afford to Eat Chicken". The idea behind this demonstration was to prove that the people can afford to eat chicken meat.

4-H CONTRIBUTIONS TO CAMP LESLIE

The 4-H Clubs of Swampscott raised \$3.00 from their local exhibit which they donated to help Camp Leslie.

The Clara Putnam Garden Club of Ballardvale contributed \$2.00 to the Camp Fund.

The 4-H Service Club donated \$20.00 to the fund to be used to buy kitchen utensils.

The 4-H Clubs of Andover donated \$25.00 to the Camp Fund.

These contributions are a very great help, and when you go to the camp notice the improvements which have been made.

The total contributions to camp by 4-H for the previous month was \$50.00. Isn't that a mark for other towns to fire at?

STATE CAMPS

The following young people will attend the several state camps this summer. Glenna Draper, Andover; Barbara Low, Beverly; Shirley Bennett, Danvers; Eleanor Thurston, Lynn; Sheila Marshall, Rosemary Merrill, Georgetown; Rose Biodini, Beverly; Shirley Lister, Methuen; Gemma DiLisio, Swampscott; Boyd and Bernard Berrett, Saugus; Donald Smart, Haverhill; James DeAdder, North Andover and Robert Mitchell of Saugus.

George Hoffman, Saugus and Mrs. Leon Jordan, Groveland have been chosen to attend State Camp as Discussion leaders with all expenses paid. Congratulations to them both.

ESSEX FARMER AND HOMEMAKER

VOL. 23

HATHORNE, MASS.

AUGUST, 1941

NO. 8

MR. BAUER PASSES ON

On Sunday, July 13, 1941, Mr. Ralph S. Bauer of Lynn passed away after a long illness. Mr. Bauer was a member of the Board of Trustees of this School for many years, during several of which he also served as its president.

At the funeral services in Lynn on Tuesday, the Staff and Trustees were represented by a group of approximately twenty, while two students, Harold Kelly of Beverly and Edward Lynch of Lawrence, attended as representatives of the Essex Chapter of the Future Farmers of America.

The idea of a school really had its inception in the mind of Mr. Bauer. As president of the Associated Boards of Trade of Essex County, he felt that the great industries of the county should be backed by a permanent and increasingly important agriculture, and that an agricultural school could do much towards the achievement of such a goal.

Surrounding himself with a group of deeply interested men, he started what proved to be a long but successful campaign to make the school a reality. Through a period of almost thirty years his interest and efforts in behalf of the school were unflagging until illness made it no longer possible to carry on the work. Thousands of young people of Essex County owe Mr. Bauer a debt of gratitude, which he would probably say, were he still with us to speak, could best be discharged by turning the training received here into successful employment as farmers and homemakers and in being loyal, constructive citizens of the communities in which they live.

Many words might be written, but the sum of their meaning would simply be this: the School and all connected with it have lost a great friend. We shall miss him greatly, but will do our best to carry on with real success the institution for which he has done so much.

Three years ago, at the time of the twenty-fifth anniversary celebration, the Trustees named the new athletic field Bauer Field in his honor. At the entrance to this beautiful field is a memorial boulder on which a bronze plaque has been placed. We like the simple dignity of the inscription thereon.

RALPH S. BAUER

FOUNDER	TRUSTEE	PRESIDENT
1913		1938

NEW TYPES OF HOME DECORATION

"Doing It With Mirrors"

Mirrors are becoming a high fashion in the world of the interior decorator, who aims to achieve many an interesting effect. An adroit placing of several in a room gives a sophisticated sparkle to an otherwise drab apartment. A small room may be made to look more spacious and a restless room quieter through large surfaces of mirror glass.

Practically no room which calls itself contemporary can do without some type of mirror on its walls. A distinctly modern touch is to use mirror glass without a frame—above a hearth mantel or above a dressing table, for example. A frameless mirror may conveniently camouflage an awkwardly vacant space between two windows.

(Continued on page 2, col. 2)

OPENING OF SCHOOL

The entering students at Essex Aggie will report on Tuesday, September 2. The returning students in the Home-making Department will begin their fall classes on Wednesday, September 3. The upper classmen of the Agricultural Department will not return until Monday, September 29.

RADIO

On July 14, the Dairy Demonstration team from West Newbury put on their demonstration over WLAW in Lawrence. The demonstration was "Preventing Horn Growth on Calves".

Miss Ida Davis, assistant club agent will be the speaker over WLAW on Monday, August 11 at eleven o'clock.

Garden Chat

Irrigation systems have paid farmers in Massachusetts large dividends four out of five seasons over a period of years. This past month has returned profits to the farmers who have had irrigation and have used it. It is true that prices have been generally higher this summer, so far yields have been lower because of hot, dry month of July. Quality of produce has not been as high due to the dry season, as plants need water to dissolve the food present in the soil and make it available for the plants to use. The farmer having irrigation overcomes this difficulty and secures normal plant growth and therefore higher quality produce. Plant cell growth has been slow and consequently has developed toughness, woodiness, or stringiness accordingly to the different vegetables. Other ways to help procure normal plant growth would be to use organic forms of plant food such as animal manures, or green manure crops. These when turned under aid in retaining moisture in the soil and furnish means of supplying food as the plants need it during the growing season.

Diseases and insects were very common and quite serious during the early part of the growing season. The dry month of July has helped to check some of these but there are plenty left to aggravate the farmer.

Corn ear worm has been controlled according to results of many experiments by spraying white mineral oils with 2 percent of dichloroethyl ether onto the silks of the ears.

The first planting of corn has been quite free from corn borer and yet the early indications showed plenty of borers present. Hence, the late crops will no doubt be badly infested. Sprays or dusting should be practiced at five day intervals for several applications commencing about August 5 - 10. As a spray, powdered Derris or Cube Root should be used, or as a dust, Dual-fix nicotine or rotonone, clay dust.

Keep tomatoes, celery, late potatoes, well dusted or sprayed with Bordeaux during August for the control of blight. Cabbage worms and loopers are fast at work on cabbage plants. One or two applications of rotonone applied to the growing head should control them.

Mexican bean beetles should be controlled with Rothenone to prevent bean damage.

Cabbage plants can be kept from cracking for a few days longer by lifting the plants slightly so as to cause partial root breakage. This causes a check in plant growth while the plant is rerooting and enables the backyard gardener to have good cabbage, for a

(Continued on page 4, col. 3)



4-H Club Notes



TOPSFIELD FAIR

4-H Club member, do you have some good looking vegetables in your garden, or several attractive jars of canned fruit and vegetables? Topsfield Fair is the place to exhibit them. And how about that new school dress that you just made, and that piece of handicraft that you're so proud of? I'm sure they will all bring prizes in the 4-H Club exhibits.

Topsfield Fair will be held this year on Sept. 3, 4, 5, 6, 7. As usual, 4-H club members will come forward to exhibit in their own club department.

Here are the divisions and the people in charge of them:

Poultry

Paul Corson, Saugus

Vegetables

Clyde Crofts, Danvers

Canning

Miss Marion Parker, Beverly

Clothing

Mrs. Leon Jordan, Groveland

Food

Mrs. Henry Albrecht, No. Andover
Home Furnishings

Mrs. Stanley Bennett, Danvers

In addition to these, there will be divisions for handicraft, forestry, flower, and notebook exhibits.

This year the Mass. Society for promoting Agriculture is making possible a 4-H Dairy Show by furnishing the premiums and expenses for the 4-H Dairy Camp.

A series of judging contests will be held on Saturday, Sept. 6th, at 10:00 A. M., in Canning, Clothing, Food, Dairy, Poultry, and Vegetables. No contestant will be allowed to compete in more than one contest.

If you haven't a premium list and want one, write to me.

Ida B. Davis

Asst. County Club Agent

Hathorne, Mass.

4-H GARDENING

The gardening season has been a very dry one but a good many 4-H gardeners have gone on and done a creditable job with their gardens. They are now looking forward to some of the exhibits.

The first exhibit is the Horticultural Hall Exhibit to be held in Boston on August 28 and 29. Canning clubs will also have an opportunity to exhibit at this time.

The next and most important garden exhibit will be held at Topsfield Fair, September 3, 4, 5, 6, and 7. All entries should be sent to the County Club Agents by August 27.

WIRTHMORE DAIRY TRIP

On July 1st a state wide 4-H Dairy tour was conducted in the Boston area for outstanding 4-H Dairy boys and girls from each county in the state. Assistant State Club Leader Harley Leland organized the trip through cooperation with the Wirthmore Grain Co.

Five 4-H members from Essex County made the tour, they were: Donald Woodworth, Lyman Orcutt of West Newbury, Robert and Donald Atwood of Haverhill and William Colby of Newbury.

There were around 50 boys and girls who made the trip plus the club agents who brought their respective groups.

The first day they were conducted through the State House by a representative of the Governor. After this the group went to the Hood Milk plant in Charlestown and saw milk completely processed. The First National Stores plant was visited. Dinner was enjoyed at Hotel Bancroft followed by an evening at Keith's Memorial Theatre.

Early the next morning the group visited the Boston Terminal Market, followed by a trip through Squire's plant, then over to the Wirthmore plant in Malden where they were conducted through the plant. Here grain comes in, is stored and later mixed with other ingredients to make up the necessary formulas for different kinds of dairy and poultry grains.

Here the group saw the laboratory where the Wirthmore Co., tests for vitamins, proteins, carbohydrates, fats, minerals and other grain constituents. A fine dinner was enjoyed by the group as guests of the Wirthmore Co., and a souvenir was given to each one. All were very grateful to the Wirthmore Co., and Mr. Leland for making the trip possible. They are looking forward to next year's annual trip.

Byron Colby
County Club Agent

CANNING NOTES

Most all 4-H canners put up some little beets and little carrots. They do taste good in the winter and if you exhibit at the end of the canning season you can put some bright color in with a few jars of carrots. Jars of beets look nice, too.

If you want to can carrots without blanching, go ahead and do it. A number of canners are now scraping carrots cold and then dicing or slicing them. Except for peeling them cold instead of hot, everything is done the same way. If you do put up beets and carrots this way please be careful that you get all the little pieces of skin off and then you won't have any pieces floating around in the jars. We have seen jars of canned beets and carrots that got poor scores because of carelessness in this respect.

Some of you older canners are making jam now and to you I want to say, please be sure when you are cooking jam after the sugar is added that it boils fast. And stop the cooking just as soon as you have any idea it is thick enough. Even if you say to yourself, "Now that looks thin." I think you had better take it right off the fire. More jam is spoiled by cooking too long than by not cooking enough. I guess that's about all for this month.

Ida B. Davis
Asst. County Club Agent

STATE FORESTER

Robert Parmenter, Extension State Forester from the State College spent two days in Essex County assisting the 4-H Forestry Ranger club in Andover. He demonstrated thinning and weeding pines and also how to properly check the growth of underbrush. The boys were very interested in his instructions and were soon practicing his instructions.

Mr. Parmenter also visited Camp Leslie and marked trees that should be removed from Leslie Grove.

GARDEN CHAT

(Continued from page 1, col. 3)

week or ten days longer than if this practice was not followed. Mulching tomatoes helps to reduce fruit cracking. Trellis tomatoes require frequent going over of the plants to remove suckers, otherwise your results will not be as good.

Don't attempt to pull weeds out of the potato hills after blossoming but with all other crops, the weeds should be pulled. Weeds rob the vegetable plants from receiving their normal supply of food.

C. M. Stearns

4-H STATE DEMONSTRATION TEAM

On July 24, the Dairy demonstration team composed of Robert Woodworth and Lyman Orcutt of West Newbury took second place in the state contest at the State College.

Only two teams competed, the Essex team and the Berkshire team. The judges voted 2 to 1 in favor of the Berkshire County team, who did a fine job on "Producing Clean Milk". The winning team has a fine trip to the National Dairy Show in Tennessee. The Essex team is looking forward to another year and another demonstration.

B. C.

ESSEX FARMER AND HOMEMAKER

VOL. 23 HATHORNE, MASS. SEPTEMBER, 1941 NO. 9
Entered as a second-class matter, May 28, 1919, at the Post Office at Hathorne, Mass., under the Acts of August 24, 1912.

New Books

Several new books on occupational guidance have been added to the agricultural library in recent months. These books should prove of value to all incoming students. "Occupational Guidance" by Paul W. Chapman and published by Turner Smith contains chapters on farming occupations. Chapman is Dean of the College of Agriculture, University of Georgia.

"The Promise of Country Life" by Walter E. Meyer and Clay Coss contains a chapter on farming which should prove of interest to budding agriculturalists. Several pamphlets published by Science Research Associates have also been acquired and are: "Agricultural Occupations," by Chapman; "Jobs in Rural Service" by Chapman; "Jobs in Horticulture," by Wernicke.

The following list of books, although of a general nature will be found useful to young folks who have yet to choose an occupation:

"You and your job" - Davis and Wright
"Pick your job, and land it" - Edlund
"How to get a job" - Gore
"How to get a position and how to keep it" - Hall
"I find my vocation" - Kitson
"Planning your future" - Myers, Little and Robinson.
"Your work abilities" - Rahn
"Finding yourself" - Rasely
"Choosing an occupation" - Ziegler and Jaquette.

"Preparing for vocational and avocational life" - Teeter and Stanfield.
G. E. G.

FARM TRUCK BILL PASSED

August 18, was the effective date of House bill 735 which exempts farm trucks from the registration plates only between parts of the same farm within a half mile. The fact that farmers are allowed to operate these trucks without a license does not release them from liability in case of injuries caused either to persons or property.

Farmers should remember that under the labor law trucks may not be operated by employees under 18 years of age. Illegal operation would place a farmer in a bad position in case of accident. Particular care should be taken that distances are not exceeded, and that trucks are kept in good mechanical condition. The fact that a truck is old or used only in the day time or under special conditions is no excuse for not keeping it in a safe condition.

Welcome—New Students

You are the twenty-ninth class of new students to enter the agricultural department, and the twenty-eighth in the homemaking department. Several thousand young men and women have preceded you in seeking the kind of education which this School offers.

We hope you are going to enjoy your School from the very first day. You will find your teachers friendly and interested in you and your homes. Every one of them will want to see you succeed and will do all they can to help you to do so. It is a friendly School and has a friendly atmosphere. We want you to help us to keep it friendly. Remember, if you want to have friends, you must try to be friendly, too. Get acquainted with your classmates and teachers early.

The citizens of Essex County have provided a splendid place in which you may obtain an education—a vocational education—in agriculture or homemaking.

I am going to ask you, one and all, to show your appreciation by trying from the first day to use these facilities in such a way as to convince your parents, the teachers, and the citizens that they have made no mistake in making it possible for you to be here and to have the opportunity which the School offers.

Welcome to Essex Aggie.

The Director

Apprentice Teachers

As usual Essex Aggie will have two apprentice teachers this year, one in the Homemaking Department and one in the Agricultural Department.

Miss Helen Melanson of Quincy will be in the Homemaking Department. Miss Melanson graduated from the Framingham State Teachers' College in June, and will teach Freshman Foods and Clothing and Junior Handicraft. Miss Melanson is not a stranger in Essex County as she has been one of the Councilors for the past four summers at the Salem Health Camp at the Salem Willows.

Chester Putney of Orleans, Vermont and a graduate of the Massachusetts State College with the Class of 1941 has been in the Agricultural Department since early August. Mr. Putney majored in Animal Husbandry while at Mass. State, and will teach in the same department while here at Essex Aggie.

We welcome both to our staff for the coming year.

WOMEN'S ADVISORY COUNCIL

The first meeting of the Women's Advisory Council for the year 1941-1942 will be held on Wednesday, September 17, at 10:30 A.M. The meeting will be held at Camp Leslie, Georgetown, and will be under the direction of Mrs. Arthur E. Olson of Manchester, chairman of the council.

The Women's Advisory Council is made up of representatives of towns and cities in Essex County and this group assists the Home Demonstration Agents in planning programs in homemaking for groups of women in the county. Final plans for fall programs will be discussed at this meeting. Members are asked to bring a basket lunch.

Miss May E. Foley, Extension Nutritionist of Massachusetts State College will be the guest speaker and will discuss nutrition and health. A report of the Massachusetts Home Demonstration Council meeting held in Amherst on July 30, will be given by Miss Marion R. Parker of Beverly. Highlights of Farm and Home Week held at Massachusetts State College in Amherst the last week in July will be given by Mrs. Arthur E. Olson of Manchester.

The officers of the Advisory Council are: Mrs. Arthur E. Olson, Manchester, Chairman; Mrs. Bertram Savage, Newbury, Vice Chairman; and Mrs. Charles Reynolds of Peabody, Secretary.

Katherine M. Lawler
County Home Demonstration Agent

COOPERATING WITH DEFENSE

Last year the Homemaking Department cooperated with the Red Cross and did a large quota of dresses, pajamas, aprons and boys' shirts.

This year they will cooperate with the National Defense program by having Red Cross First Aid Classes. The High School Graduate group will have this the first half of the year and the Junior girls the last half. All those completing the course and passing the examination will receive their Red Cross First Aid Certificates.

EASTERN STATES EXPOSITION

Lyman Orcutt and Robert Woodworth will exhibit their 4-H animals at the Eastern States Exposition in Springfield. They will have the honor of being the first boys to exhibit a 4-H Dairy animal from Essex County.

Essex Farmer and Homemaker

HATHORNE, MASS.

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RADIO PROGRAM

"Better Homes" radio program over
Station WLAW, Lawrence, under the
direction of Miss Katherine M. Lawler,
County Home Demonstration Agent of
the Essex County Extension Service,
has been changed from 11 A. M. to
11:30 A. M. on Mondays. Following is
the program for the month:

- September 8 - "Family Recreation"
Miss Lawler.
15 - "County Fairs", 4-H
Club Agent, Byron
Colby.
22 - "Program Planning"
Miss Lawler.
29 - "Good School Lunch"
Miss Lawler.
October 6 - "Fall Cleaning Hints"
Miss Lawler.

BEGONIAS

Some Begonias have a way of growing tall without branching as we would like them to do. If we are forehanded we shall cut off the tips from time to time to force side shoots into growth. When we wish to multiply any particular Begonia to procure stock for replacement, or for trading purposes, we allow the shoots to grow enough longer to give us slips or cuttings measuring two to four inches. These, we find, root best in a mixture of sharp bank sand such as masons use, and peatmoss. If there is any doubt as to the cleanliness of the sand, scald it thoroughly or boil it.

Measure out equal quantities of the peatmoss and wet sand and mix thoroughly. Rubbing the dry peatmoss through a sieve before mixing puts it in better condition. Many hardware dealers carry peatmoss in small packages. Place the mixture in a clay pot or pan or in a small wooden box with holes or cracks for drainage. Level it and pack it hard with a brick or wooden block.

The best cuttings come from near the base of the Begonia, such as appear after cutting back a plant. Cut cleanly across the slip close to but below a joint. Make a hole in the peat-sand cutting bed with a stick or pencil and insert cutting just far enough to support it. Press mixture around cutting and water. Place container in a light window out of a draft. Give water as needed but in small amounts. The cutting should root in four weeks.

After rooting Begonias in general require a light porous, well drained soil, slightly on the acid side and rich in organic matter. A basic mixture is 3 parts loam, 2 parts leafmold or peatmoss, 1 part sharp sand, 1 part crushed charcoal.

Rex begonias prefer more leafmold, while for wax begonias well-rotted manure may be substituted for the leafmold.

To each quart of the soil mixture add level tablespoonful of bonemeal. Feed lightly during the spring and summer.

Before potting place a square, slightly curved piece of a broken flower pot, hollow side down, over the hole in the pot.

H. Linwood White
Instructor Floriculture

STAFF NOTES

Sandra Perkins is the name of the daughter who arrived in the family of Instructor and Mrs. Alton G. Perkins, August 19.

Nathalie Vitale of the business office became Mrs. Carroll E. Dragon on Friday, August 22.

Our sympathy goes out to Mr. Herbert Lewis and family in the passing of Mrs. Lewis. Mr. and Mrs. Lewis have been identified with Essex Aggie for many years as their sons and daughters are graduates of the school. Before her illness Mrs. Lewis was not only interested but active in getting Camp Leslie ready to be a 4-H camp.

FRUIT GROWERS RECOGNIZE HARRY SEAGRAVE

At the final summer twilight orchard meeting for fruit growers held at the Brooksby Farm Orchards, Peabody, on Thursday, August 28, Harry Seagrave, superintendent of Long Hill Orchards, West Newbury, was named the "Dean of Essex County Fruit Growers". Professor Wilbur H. Thies, extension professor of horticulture from the Massachusetts State College, in behalf of the Essex County Fruit Growers' Association presented Mr. Seagrave with a set of L. H. Bailey's "Standard Cyclopedia of Horticulture". The volumes carried the following resolution:

Whereas, the members of the Essex County Fruit Growers' Association wish to recognize the service of Harry Seagrave to the business of fruit growing, and
Whereas, the growers wish to recognize Harry Seagrave for his ambition, industry, integrity, ingenuity, high ideals, and high standards which fruit growers admire, be it

Resolved, that the following fruit growers present to Harry Seagrave these volumes of Bailey's "Standard Cyclopedia of Horticulture" as a token of appreciation and respect.

The names of forty-four Essex County Fruit Growers follow:
Frank Purcell, West Newbury; Walter Morss, West Boxford; M. Mealey, Andover; Robert Corneliusen, Beverly; Walter Piper, Boston; Francis C. Smith, Danvers; C. M. Wood, Danvers; Archer Pierce, Peabody; Donald Lilley, Andover; Edward Cummings, Wenham; Elmer Luxton, Wenham; Finlay Nickleson, Danvers; Charles Tucker, Andover; John W. Parkhurst, Boxford; Ovilva Dandeneau, Andover; Richard Abbott, Andover; Walter Alley, Jr., Andover; Perley Lovelace, Peabody; William R. Corning, Lynnfield; Harold Emery, Haverhill; Harold B. Rogers, Haverhill; Frank Bagley, West Newbury; L. E. MacDougall, Lynnfield; Harold Walker, Lynnfield; John Ford, Malden; Philip Hills, West Newbury; Stephen Cross, Wenham; E. H. Osgood, Mrs. E. H. Osgood, Gary Sano, Bradford Webb, all of Wenham; John Sawyer, Arlington; Calton Cartwright, Danvers; Fred Reed, Ipswich; M. Charles Arthur, Ipswich; Leon Ellis, Saugus; Wallace Standley, Saugus; Wilbur H. Thies, Amherst; William K. Wyeth, Beverly; Harold A. Mostrom, Danvers; Gilbert Wallace, Bradford; Gardner Caverly, Kenneth MacLoud, Ipswich.

The officers of the association planned the evenings program and they are: President, Wallace Standley; Vice President, Bradford Webb; Secretary, Francis C. Smith; Asst. Secretary, C. M. Wood; Treasurer, Theron Johnson; Executive Committee: Archer Pierce, Philip Hills, William Corning.

C. M. Wood

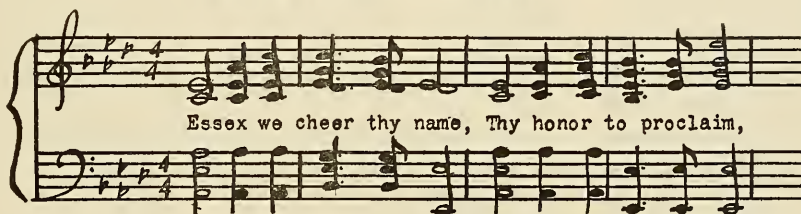
SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

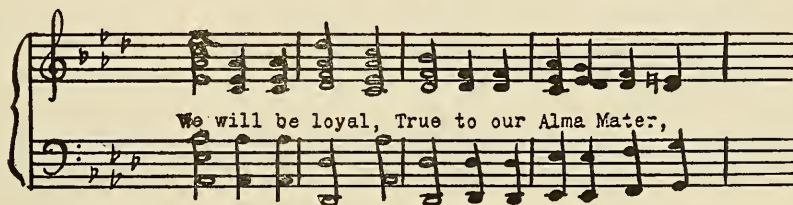
SCHOOL NOTES

SEPTEMBER, 1941

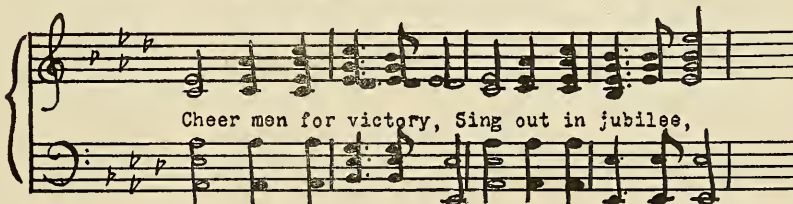
ESSEX WE CHEER THY NAME.



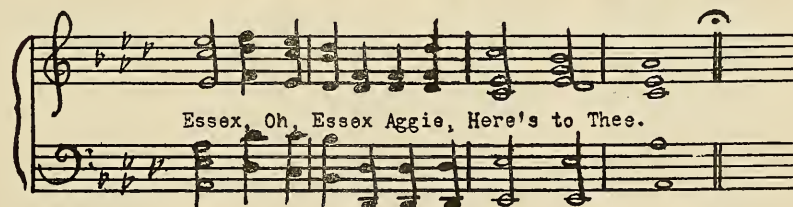
Essex we cheer thy name, Thy honor to proclaim,



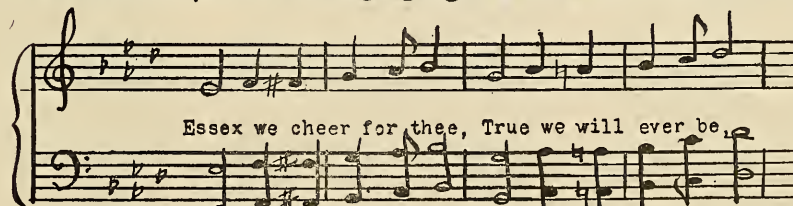
We will be loyal, True to our Alma Mater,



Cheer men for victory, Sing out in jubilee,



Essex, Oh, Essex Aggie, Here's to Thee.



Essex we cheer for thee, True we will ever be,

(Cheer) E-S-S-E-X Rah, Rah, Rah,

D.C.al

ESSEX FARMER AND HOMEMAKER

SUMMER PROJECTS

Many and varied have been the projects of the pupils of the Homemaking Department this summer. The following is a list of the girls and what they have been doing.

High School A

Arline Crossman —
Foods, clothing, housecare
Althea Dennet —
Position in Salmon Falls, Me.,
Foodwork
Doris Englehardt —
Foods and clothing
Kathleen Ganey —
Foods and clothing
Teresa Lambert —
Employed project, Salem Hospital
Evelyn McCann —
Foods and clothing
Margaret Morrissey —
Foods and clothing
June Porst —
Employed project, Camp Run-
nels, Pelham, N. H.
Mary Regan —
Foods and clothing
Ina Stephenson —
Employed project, Camp Leslie
Lucy Tela —
Foods and clothing
Phyllis Trembley —
Employed project, Foods
Virginia Wade —
Employed project, Foods

High School B

Ruth Adams —
Employed project, foods, Howard
Johnsons, Seabrook, N. H.
Justine Bishop —
Employed project, foods, Home-
stead Country Club, Dan-
vers.
Lila Bullock —
Employed project, foods, Field-
stone, Andover
Claire Cadorette —
Employed project, foods, Salem
Hospital
Mary Carey —
Foods and clothing
Alice Clark —
Foods and clothing
Alice Cormier —
Foods and clothing
Doris Durkee —
Foods and clothing
Helen Hallock —
Foods and clothing
Barbara Hennigar —
Employed Foods, Mt. Wachusett House
Marjorie Hollingsworth —
Employed Foods, Salem Hospital
Margaret Kennedy —
Foods and clothing
Marion Leach —
Employed Foods, Town Line House
Gertrude Mungan —
Foods and clothing
Isabelle Rabs —
Employed child care, Blue Hill, Maine
Pauline Roy —
Foods and clothing
Isabelle Weed —
Clothing, home nursing, housecare
Senior A
Lena Barbagallo —
Employed clothing
Christine Bruun —
Employed foods, Blue Hill, Maine

Claire Burgess —
Employed foods, Lawrence Gen-
eral Hospital
Bertha Delduca —
Employed foods, Lawrence Gen-
eral Hospital
Edna Hughes —
Foods and housecare
Dorothy Livingstone —
Employed foods, Essex Co. Sanatorium
Ann McGann —
Foods and clothing
Lois Rand —
Employed foods, Essex Co. Health Camp
Evelyn Seacole —
Foods and clothing
Lucille Treamer —
Foods and Home Decoration
Senior B
Dorothy Bozek —
Clothing and employed foods,
Essex Co. Sanatorium
Ilene Briggs —
Foods, clothing and home decoration
Frances Calvert —
Employed foods, Essex Co. San.
Phyllis Cook —
Employed foods, Greycroft Inn, Bev.
Muriel Craven —
Employed foods, Lawrence Gen-
eral Hospital
Reina Gumb —
Employed foods, Camp Bonnie-
brae, Otis, Mass.
Lillian Kilgour —
Foods and clothing
Bernice Marsland —
Foods clothing and child care
Murial Pontius —
Foods and clothing
Velma Robinson —
Foods and clothing
Jessie Shaw —
Employed foods, Westport, N. Y.

Junior A

Marion Bean —
Employed project, housecare and foods
Rita Bosse —
Foods and clothing
Catherine Cahill —
Foods and clothing
Doris Donze —
Foods and clothing
Evelyn Hall —
Home Decoration
Judy Jameson —
Foods, clothing, housecare
Irene O'Brien —
Employed project, Salem Wil-
lows, Chase House
Dorothy Rowbottom —
Employed project, foods, Grey-
croft Inn, Beverly
Virginia Rushworth —
Clothing, employed project housecare
Helen Small —
Employed project housecare
Ruth Woelfel —
Foods and clothing

Junior B

Eleanor Annis —
Foods and clothing
Regina Barrows —
Foods, clothing, housecare
Rita Hitchcock —
Employed foods
Ruth Carlson —
Foods, clothing, housecare
Elaine Kennedy —
Employed project foods, E.C.A.S.

Betty Kirwin —
Employed project foods
Lorena Loeffler —
Foods, clothing
Ruth Maxwell —
Employed foods and housecare,
Lynnfield

Claire Oak —
Employed foods, McClellan's, Lynn

Freshman A

Barbara Bell —
Clothing and housecare
May Duckett —
Foods, clothing and housecare
Marion Fitchuk —
Foods, clothing and housecare
Kathleen Gaudette —
Employed housecare, Andover
Rita Gauthier —
Clothing, foods and housecare
Claire Gillespie —
Foods, clothing, housecare
Ruth Krankka —
Foods, clothing, housecare
Marilyn Ostler —
Clothing and housecare
Margaret Purcell —
Clothing and housecare
Edith Quinn —
Foods, clothing and housecare
Gladys Robertson —
Foods, clothing and housecare
Carol Wendell —
Employed housecare
Bernadette Lanier —
Employed housecare, clothing
Mary Lovely —
Employed housecare, clothing
Grace Marshall —
Housecare, clothing
Dianna Olds —
Foods and clothing
Marion Peatman —
Foods and clothing
Carolyn Archinbault —
Foods, clothing and housecare
Virginia Ayles —
Foods and housecare
Mary Belfiore —
Foods and clothing
Louise Clark —
Foods, clothing and housecare
Eleanor Cook —
Foods, clothing and housecare
Gloria Kennedy —
Foods, clothing and housecare
Anna J. Smith
Home Project Supervisor

JUDGING CONTESTS

There will be the usual judging con-
tests at the Eastern States Exposition,
Springfield, on Thursday and Friday,
September 18 and 19.

There will be the poultry and milk
judging on Thursday. The Dairy Cattle
judging and the Dairy Showmanship
contests will be held on Friday morning.
Friday evening is the big time for the
F. F. A. when a banquet will be held
and this will be followed by the Public
Speaking Contest with the winner of
this going to the National Meeting of
the F. F. A. later in the fall.

On Saturday morning there will be
a Regional F. F. A. meeting, with Frank
Hill, National Vice President of the
F. F. A. for the Northeast region in
charge.

GRASS SILAGE

New Jersey bulletin 684 reports figures secured in studying the cost of ensiling grasses and legumes on 50 representative farms in that state using molasses.

CROP	ALFALFA	MIXED GRASSES	SOY BEANS	CORN SILAGE
Average yield per acre (tons)	5.2	4.2	5.5	8.0
Cost to grow				
Ton	\$ 1.59	\$ 2.80	\$ 4.10	\$ 3.51
Acre	\$ 8.38	\$11.89	\$22.64	\$28.12
Cost of harvesting per acre.	\$ 7.88	\$ 9.07	\$12.75	\$11.80
per ton.	\$ 1.50	\$ 2.14	\$ 2.31	\$ 1.47
Total cost per				
Acre	\$16.26	\$20.96	\$35.39	\$39.92
Ton	\$ 3.09	\$ 4.94	\$ 6.41	\$ 4.98

If cost of mixed grass silage is \$4.94 per ton and the number of digestible nutrients is about 300 per ton then the cost of 100 lbs. of digestible nutrients would be \$.165 or less than most grain concentrates. But good producing cows must get grain as well as good grass silage to do their best.

F. C. Smith
County Agricultural Agent

GARDEN CHAT

Agricultural fairs and Grange exhibits are showing the rewards of nature with their colors, qualities and attractive appearances that just make one's eyes pop wide open. Have you ever stopped to realize that nature has furnished just as colorful vegetables as man marvels over a vase of pretty flowers. There are purple, red, green, white, etc., egg plants; yellow, red, pink, and white tomatoes; orange, yellow and white carrots; various shades of greens; and even variegated colored vegetables such as appear on squash. When placing these various rich colors together nature has painted a wonderful setting not only to look at but to realize that they can be used as material food for man.

Remember how last year you remarked that you thought your products were better than those you saw on exhibition at the Fair? Why not enter some of your own products in the Grange exhibit or fair this Fall? There are four points to be kept in mind, that most judges follow when preparing these specimens.

First, Trueness to Type: Select vegetables that are true to the variety for which they are supposed to be.

Second, Uniformity: as to size, shape and color: Are all the vegetables in the plate the same in every way possible.

Third, Condition: Select specimens free from disease, insect or mechanical injury.

Fourth, Quality: Do not select vegetables that are over or under size; over or under ripe; too old or to green.

Be sure that you read the premium book of instructions so as to have the correct number of specimens on the plate, stems on or off, washed or unwashed, etc. After you have shown vegetables for several years, you create the same sportsmanship feeling which horse men cultivate in showing their horses. There is just as much fun selecting and preparing for showing your vegetables as there is in getting a cow or horse ready for their respective show.

There are many ways that we can conserve in agriculture. One is the sowing of winter rye during the Fall months to use up the available plant food and hold it until a later time for use. Again it conserves the soil from being washed away. During September use at the rate of 1½ - 1% Bu. per acre.

C. M. Stearns

A SUCCESSFUL BACKYARD GARDENER

Many backyard gardeners are successful in raising enough vegetables for their own consumption throughout the year but how many would dare attempt to make a living from gardening on a limited area on the edge of metropolitan Boston. Robert Howlett of 20 Glenmere Avenue, Malden, has demonstrated that at least a good part of ones cost of living can come from a patch of soil the size of two city house lots.

Two years ago Mr. Howlett enrolled in a twelve lesson soils course given evenings at Essex Aggie. He became enthusiastic over the lessons which included, testing soil, fertilizer requirements for different crops, seed selection and treatment, plant insects and disease, succession and intercropping. He determined to lay out his small area so that it would produce the maximum amount of food. As a result of painstaking care and solving problems as he encountered them, with the aid of the School, Mr. Howlett has demonstrated that home gardening can be made profitable by selling the surplus. He has found that customers will pay premium prices for high quality carefully graded vegetables when delivered to them fresh from the garden.

A visit to his gardens on June 20, showed peas, seven feet high, tied firmly to wooden frames. The strong winds of the previous week would have done considerable damage had not Mr. Howlett erected barricades to break the wind. On June 20, he had marketed 100 pounds of peas at a high price per pound. His other crops include pole beans, early and late tomatoes, lettuce, spinach, onions, radishes and celery. By succession and intercropping he gets maximum use of the small area. Instructor Alton G. Perkins of the Essex Aggie staff is pleased with Mr. Howlett's success and regards his work highly.

G. E. G.

PLANS ANNOUNCED FOR 1942 FARM PROGRAM

The 15,000 Massachusetts farmers, who are cooperating with the AAA program, will have substantially the same soil-building allowance rates during 1942, as they did this year, according to Sumner R. Parker, state AAA executive officer at Massachusetts State College.

Farmers may earn two types of payments under the farm program: a payment for carrying out approved soil-building practices, and a payment for planting within special crop allotments, which in Massachusetts are tobacco and potatoes. Rates for compliance with special crop allotments will be announced later, Mr. Parker says. The program year for Massachusetts will run from September 1, 1941, to August 31, 1942.

A soil-building allowance is established for each farm on the basis of such factors as the farm's cropland, non-crop pastureland, commercial vegetables, and commercial orchards. The participating farmer may earn his farm's allowance by carrying out approved soil-building practices. Under the 1942 program, the farm allowance will be computed on the basis of the following rates:

70 cents per acre of cropland not included in special crop allotments for the farm.

Rates on non-crop pasture land will be 40¢ per acre for each acre in excess of one-half of cropland.

\$2. per acre of orchards.

\$1. per acre of commercial vegetables normally grown on the farm. The vegetable rate is \$1.30 per acre in 1941 but applicable to a smaller acreage than in 1942.

Included in the 1942 program, as in 1941, will be a special allowance of \$15 which farmers may earn by planting forest trees. This payment will be in addition to any other allowance which may be computed for the farm. The 1942 program continues the \$20 min-

imum payment which may be earned on any farm. The \$20 minimum payment does not include the tree planting allowance.

While there are only minor changes in the soil-building allowance rates, officials pointed out that final provisions of the 1942 program when drafted will increase the emphasis on conservation and soil-building work on individual farms. Substantially the same amount of funds budgeted for payments on special allotment crops in 1941 will be available in 1942.



4-H Club Notes



4-H AT MARSHFIELD

4-H Dairy members from Essex County exhibited at Marshfield Fair. This Fair has the largest 4-H Dairy exhibit in the state with the exception of the Eastern States Exposition. Ninety-four animals were shown at Marshfield this year.

Lyman Orcutt of West Newbury had one of the most attractive Guernsey exhibits at the Fair. His Guernsey calf took a first prize and his Guernsey yearling also. Lyman also took third prize on his cow and second on his Guernsey bull. He was fourth in the Herd competition. (Lyman is entering Essex Aggie this year.)

The Woodworth boys from West Newbury exhibited their Holsteins at Marshfield. Robert Woodworth took a fourth prize on his cow. Donald, his brother, received a second on his cow. Byron Colby

PLAN YOUR WARDROBE

How did vacation go this summer, girls? I'll wager that you all had quite a wonderful time. And if you had the right kind of clothes to wear, then I am sure your vacation fun was doubled. For you know that when you are attractively dressed in comfortable and appropriate clothes, more than half of your troubles are overcome. The thing to do is to plan your wardrobe and your vacation.

But now you are looking ahead to another school year. Perhaps you can't have very many new clothes, and yet you want to feel up-to-date and look your best at all times. So the first thing to do is stop and think about what your activities will be during the current year. Will you be taking part in many sports, during the fall and winter? Will you need any special dress or "party" clothes? Will you be taking part in plays and musicals, and attending other extra curricular activities? Do you expect to travel very much? Now is the time to look ahead and think about what you must do to your wardrobe, to prepare for all these events. Don't forget that you want to look neat and attractive in school as well as out of school.

Next consider every garment that you now have. Is it appropriate for another year? Does it fit? Is the color becoming? If the answer to any of these is "no", and the garment is basically a good one, then you can work wonders with a little bit of fixing. It really isn't hard, all you need is an idea and a bit of time to carry out that idea. Consider these possibilities: A new and colorful belt? A fresh crisp collar? A change of buttons? Short sleeves instead of long? Remodeling the wool dress to make either a skirt or a jerkin? There are many many other ways of fixing a garment so it will look new and up-to-date.

Then plan what new clothes you will need, and if you are a 4-H Clothing Club member then you will have no difficulty selecting a nice color scheme and making all or most of the clothes you will need for the year.

Ida B. Davis

CANNING CLUB WINNERS

Essex County Canning Club members exhibited 20 dozen pints of canned fruit and vegetables at Horticultural Hall on August 28 and 29. This is a fine showing for the county. The following received prizes:

Virginia Bennett, Danvers
Excellent - Blueberries

Thelma Bridges, West Newbury
Very good - yellow string beans

Ruth Canty, Beverly
Excellent - novice class string beans

Excellent - novice class tomatoes

Susan Carnevale, Beverly
Excellent - plums

Patricia Lane, Essex
Excellent - corn

Barbara Smallwood, Danvers
Very good - beets
Good - tomatoes

TOPSFIELD 4-H SHOW

There will be a large 4-H Dairy Show at Topsfield this year, composed of around 50 animals. Most of these animals are winners from Marshfield.

E. P. A. CLASSES

The Evening Practical Arts classes in Home Hygiene and Foods will be held in the following communities in the County.

Home Hygiene classes under the direction of Mrs. Mary E. Roundy, R.N. will start September 17 in Ipswich, Mrs. Walter E. Hulbert, Town Road is chairman.

September 18, Peabody, Mrs. P. H. Greehy, 8 Highland Street, chairman.

First Aid Classes: September 22 in Amesbury, Mrs. Guy N. Bean, 13 Garden Street, chairman.

September 18 in Ballardvale, Mrs. Edwin U. Brown, chairman.

Foods and Nutrition under the direction of Miss Esther Belair will be as follows: West Boxford, September 22, Mrs. John A. Andrews, chairman.

Rowley, Mrs. Frank Hodgdon, Summer Street, chairman.

At the Essex Agricultural School on Tuesday and Friday evenings, Mrs. Charles H. Keran, 150 High Street, Danvers, chairman.

If you are interested in any of these classes, please get in touch with the chairman in your district.

Mary M. McIntire
Supervisor

BROCKTON FAIR

At Brockton Fair this year, two girls from Essex County will compete with other girls for an electric Singer Sewing Machine. These girls are Barbara Lowe and Rose Biondini of Beverly. The contest will take place on September 11. Let's wish them good luck!

F. F. A. OUTING and PROJECT TOUR

The Future Farmers of America, Essex Chapter, outing and project tour will be held on Tuesday, September 23 at Leslie's Grove on Pentucket Pond in Georgetown. The tour will leave the school at one o'clock and several projects will be visited on route to the Grove. Upper class students and all parents who can go are urged to attend at least part of the program to be held at the Grove from 5 - 8 p.m. This outing is part of the F. F. A. program for the year and is sponsored by the Vocational Improvement Committee of the Essex Chapter.

FALL FLOWER SHOW

Before our next issue the Annual Fall Flower Show will have come and gone. Plan now to attend sometime during Friday, Saturday and Sunday, October 3, 4 and 5.

As usual there will be an entertainment with outstanding speaker on the evening of Friday, October 3, at eight o'clock. At this time the prizes are awarded.

ESSEX FARMER AND HOMEMAKER

VOL. 23

HATHORNE, MASS. OCTOBER, 1941

NO. 10

Entered as a second-class matter, May 28, 1919, at the Post Office at Hathorne, Mass., under the Acts of August 24, 1912.

New Labels for Wool

Have you noticed the new informative labels appearing this fall on garments and other articles made from wool?

These new labels are the result of the Wool Products Labeling Act which became effective in July. According to the Act all articles made wholly or in part of wool, and sold in interstate commerce shall bear a special label giving the percentage of wool. The label must also tell whether the wool is new or virgin wool, reprocessed wool or remanufactured wool.

The terms new wool, virgin wool, or simply wool refer to wool manufactured for the first time.

Reprocessed wool is made from garment cuttings, mill ends and other wool material which has never been subjected to wear. Reused wool is made from wool which has previously been used in garments and other articles which have been subject to wear.

The wool fiber is unique in that it is the only fiber having sufficient strength and elasticity to withstand being pulled apart and remanufactured.

Do not be prejudiced by the terms reprocessed and reused wool. We have been using these two grades of wool many years. The only thing new is the label.

Since wool production in any one year is insufficient to meet the demand for wool articles, reprocessed and reused wool are necessary to make up the discrepancy.

Each of these two grades of wool has a place in industry. High quality reprocessed wool may have nearly all the characteristics of virgin wool. Reused wool although it is less elastic is well adapted to certain use.

Remember without manufactured wool shortages would develop and wool prices would soar sky high.

Constance Lovett
Teacher of Science

PUBLIC SPEAKING 1941-42

March 20, 1942 seems a long ways off, but will be here all too soon for those who are planning to enter the Public Speaking Contest. The Final Contest will probably be held on Friday evening, March 20, 1942 at or near Amherst. All local contests must be completed before January 28. All District Contests must be completed before Wednesday, February 11, 1942.

If there are any Essex Aggie Agricultural students interested in entering this contest they should begin to think about it now and confer with their English Instructors.

Students Harvest 1639 Bushels McIntosh Apples

During the opening weeks of school the new students were introduced to many new experiences in agriculture, among which was the harvesting of the crop of McIntosh apples from the School Orchard. In doing this job valuable and useful standards of fruit growing are established in the minds of the students. The beginners learn to recognize a good McIntosh apple, also a well pruned and carefully handled bearing tree of a given age. Then by estimating the number of bushels of apples on a tree and comparing with the yield they secure from the tree, the students establish a basis for estimating the yield from trees and orchards. Many students are surprised at the wide difference in their estimate and the yield from the first tree they pick. The students are taught to recognize the blemishes on the apples. The most common insect blemishes found this year were caused by plum curculio, red bugs, codling moths and leaf hoppers; other blemishes were scab spots and limb rub.

The students are taught how to cool the apples as much as possible before placing them in storage and shown how to store the apples in the School Fruit Cellar so that ripening processes may be slowed up and the apples marketed in an orderly manner over a longer period.

Friendly competition between the classes and the individuals in the classes gives the students an idea of the quantity of fruit an individual can pick in a given time.

During the present season apple

(Continued on page 2, col. 1)

The twenty-sixth graduation exercises of the School will be held at the Peabody Institute, Danvers on Tuesday, November 18, at two o'clock.

This is a week earlier than usual, and has been so arranged because it is anticipated that Governor Saltonstall's proclamation of Thanksgiving will be this year to observe Thursday, November 20, rather than the twenty-seventh.

State Leader Passes

"Uncle George" Farley, Massachusetts 4-H State Leader for 25 years, passed away September 10 in Northampton. He was known Country wide for his leadership in the 4-H field and for his friendly service to all young people.

His inspirational abilities have helped everyone. I believe this poem written by Rev. Herbert Dixon, and read at "Uncle George's" funeral paints the picture of "Uncle George" as he will always be to 4-H members, leaders and friends of club work everywhere.

"Uncle George"

God gave us Uncle George
To teach us how to face the dark
To show us what a kindly soul can do.

God gave us Uncle George
To take our boys and girls
And teach them that a body strong,
A mind alert, with a heart of love
And hands of skill
Can climb unfalteringly life's rugged hill.

We remember how he laughed, how he would say, "That's right."
And made us feel like rolling up our sleeves
To do the job which lay at hand
With all our might

We noted how
When night closed in upon his eyes
He did not quit nor whine nor whimper
But went right on with inner vision clear,
Seeing things and dreaming things of good
Which many with unhampered eyes
Never saw nor understood.

We remember how he told a joke or anecdote
And sent us on with merry heart
To make our common dreams come true;
He taught us that no bar of color, race, or creed
Should keep us from the things we ought to do.

Good seeds of kindly thoughts and deeds
In the hearts of youth he has constantly sown,
Which now, in the passing of the years,
To lovely flowers and goodly fruits have grown.
To such a gracious friend and generous soul
We offer our humble praise
His spirit still abides with us
To bless us all our days.

(Cont. on Page 4, Col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

Published monthly by the Trustees of the Essex County Agricultural School

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(Continued from page 1, col. 2)

picking competition was very close between classes and individuals. The best student average for picking during the exercise period according to classes was: II X, 7 1/3 bu.; II A, 7 1/2 bu.; II B, 7 bu.

The best individual records per exercise period were distributed fairly evenly among members of all three classes: Leo Kopacki, II X, 14 bu.; Walter Mills I A, 13 1/2 bu.; Ernest Dorman II X, 13 bu.; Alban Begin I B, 12+ bu.; Henry Turcotte I B, 12 bu.; John Rubchinook I B, 11 1/2 bu.; Richard Dufresne I A, 11 bu.; Marshall Jones I B, 10+ bu.; and Chesley Mears II X, 10 bu.

This year's apple picking averages and records are close to those established every year by new students, but the crop of McIntosh apples this year is the largest yet harvested at the School.

C. M. Wood

OFFICERS OF ESSEX CHAPTER

The officers of the Essex Chapter of the F. F. A. were elected at the annual meeting last March and are President, Edward Lynch; Secretary, Lisle Sawyer; Treasurer, Harold Kelly; and Reporter, Priscilla Glines.

"APPLES FOR YOU"

One requirement in the list of daily necessities in the diet of each individual is "Fruit, one citrus fruit or tomato plus at least one other serving of fruit". Citrus fruits, oranges, grapefruit and pineapple are very rich in Vitamin C as well as other vitamins, also minerals and roughage (or laxative value). Tomatoes in any form are of just about equal importance with the citrus fruits and may be substituted for them.

The "other fruit" may be raw, cooked, or canned and of course variety is important. Apples are one of our native important fruits and may be used in a very large number of ways. Our young men and boys are being "drafted" from school to help pick the good crop this year. Do we need to be drafted to use them? No indeed! We are volunteers at this job and we will keep at it all winter or as long as the supply will last.

Let us discuss a few possibilities in variety of service in our menus. Of course there is nothing better than a good crisp raw apple at the meal or between meals. Just be sure they are clean, that is the important point in the use of all raw fruits. And remember the skin is valuable. They may also be served raw as part of many interesting salads. Mixed in with fish for a hearty salad they give an excellent different flavor. As a desert try apple crisp, the recipe for which follows.

Apple Crisp

8 medium apples, 1/2 cup water, 1 tsp. cinnamon, 3/4 cup granulated sugar, 1/2 cup flour, 6 tbsp. butter.

Wash, pare, core, and dice apples. Fill greased individual custard cups or a 1 1/2 qt. casserole with the apples, water and cinnamon. Blend the rest of the ingredients until crumbly in consistency. Spread this mixture over the top of the apples and bake uncovered in moderate oven (350°F.) until apples are tender. Serves 6.

This recipe comes from the booklet "Apples for You", published by the New York and New England Apple Institute. It is an interesting booklet which is available to all by writing to them at 154 Nassau Street, New York City. The booklet also gives many valuable hints on how to use apples as well as hints on buying apples.

Remember one citrus fruit and one other fruit daily is a requirement for good health, and use our native apples frequently.

Ruth Emerson
Instructor in Foods

BETTER HOMES RADIO PROGRAM

Station WLAW, Lawrence, Mass.
Oct. 20 - Garden Topics, Byron Colby, 4-H Club Agent
Oct. 27 - Hallowe'en Party Planning, Katherine M. Lawler, County Home Demonstration Agent
Nov. 3 - Fall Housecleaning Hints, Miss Lawler
Nov. 10 - Thanksgiving Suggestions, Miss Lawler

WOMAN'S ADVISORY COUNCIL

A meeting of the Woman's Advisory Council of the Essex County Extension Service was held at Camp Leslie on Wednesday, September 17th. Mrs. Arthur E. Olson of Manchester, chairman, presided.

The list of officers elected at the annual meeting in June was read as follows: Chairman, Mrs. Arthur Olson, Manchester; vice chairman, Mrs. Bertram E. Savage, Newbury; secretary, Mrs. Charles Reynolds, Peabody; Nominating Committee for coming year, Mrs. H. K. Richardson, Middleton; Miss Clara Kearney, Swampscott; and Mrs. Richard Costello, Lawrence.

The newly elected Council members and the city or town they represent are: Mrs. Guy Bean, Amesbury; Mrs. Frederick Works, Gloucester; Mrs. Warren Dodge, Haverhill; Mrs. Byron Bennett, Ipswich; Mrs. Raymond Trefry, Marblehead; Mrs. Arthur Smith, Newburyport; Mrs. Mason Blatchford, Rowley; Mrs. Frank Carson, Salem; and Mrs. William Keith of Topsfield.

Reports of the Massachusetts State Council meeting and of the Farm and Home Week program, both held at the Massachusetts State College in July, were given by Miss Marion Parker and Mrs. Olson. Mrs. Bertram Savage gave a short report of the reupholstering classes held in Newburyport under the direction of Mrs. McIntire and of the Food Preservation meetings with Prof. Cole of the State College. Mrs. Howard Marshall of Haverhill told of the Food Preservation meetings held in West Newbury with Miss Lawler.

After a picnic lunch at noontime the meeting continued. Mrs. Annette T. Herr, State Home Demonstration Leader of M.S.C. discussed Home Demonstration programs and showed a series of defense posters.

The Council members were asked to acquaint themselves with work of the Civilian Defense group in their city or town and to be prepared to give a short report at the next meeting. They were also asked to contact their local theatre manager in regard to showing the colored film "The Proof of the Pudding". This is an excellent nutrition film put out by the Metropolitan Insurance Co., and may be obtained either from the company or from the booking agent serving the theatre. It is an excellent film for local groups to use but must be used or refused by the theatre manager before it can be used by a local group.

The next meeting of the Woman's Advisory Council will be held on Wednesday, November 26, at 10:30 A.M. at the Essex County Agricultural School.

Katherine M. Lawler
County Home Demonstration Agent

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

OCTOBER, 1941

NEWSWRITERS' MEETING

Girls who were interested in the newswriting gathered in the Homemaking laundry at 12:30 on Wednesday, September 15. The girls who were present at the first meeting were: Rita Hitchcock, Danvers; Lorena Loeffler, Lawrence; Gloria Kennedy, Virginia Ayles and Miriam Fitchuk, Peabody. There are many more news-writers but because of other engagements they could not attend.

Miss Clarke gave out the regulations which the girls should follow.

1. Any girl absent from meetings more than two times is automatically dropped.

2. Any girl receiving D on her report card can no longer attend meetings.

Getting the news.

1. Go to the source of the information.

2. Make an appointment to see the person.

3. Ask questions about anything which is not clear.

4. Get true facts, write plainly.

Writing news.

1. Write complete sentences.

2. Be sure the statements are accurate and the spelling correct.

At the second meeting the other girls who joined the group were Mary Louise Hill, Salem; Eliza Hebb, Boxford; Marjorie Pierce, Salisbury; Margaret Colby, Haverhill; Marguerite Hanley, Salem; Dorothy Folwer, Danvers; Regina Barrow, Saugus; Laura Onistzuk, Groveland; Grace Marshall, Peabody; Mary Lovely, Haverhill and Dorothy Bick of Salem.

Miriam Fitchuk

DIRECTOR SPEAKS AT H. M. ASSEMBLY

On Thursday, September 25, at one o'clock, the returning girls in the Homemaking Department once again had the pleasure of hearing Director Harold A. Mostrom speak in their assembly, while the new girls had the pleasure of hearing him for the first time.

Director Mostrom began his talk by welcoming back the old students and he extended his greetings to the new students.

The speaker spoke of the attitude of friendship among the students. He said there were three things which were necessary while attending a vocational school, namely:

1. 100% attendance was necessary for achieving a goal and for profiting by experience.

2. 100% interest and attitude toward school work were necessary.

3. 100% application and effort because of the interest in work.

Mr. Mostrom also stated that we must have patience, perseverance and the ability to see things through.

Homemaking is a job and one has to be skillful to be a good homemaker. There are many opportunities and facilities in homemaking instruction by which we should profit.

The Director mentioned that not only were there arts in homemaking but there were the arts of living.

The first of these arts is the art of learning to enjoy one's environment thoroughly, of being honest in all of a person's dealings with another, of being able to concentrate and be industrious in everything one does and last of all, to be able to get along with other folks. If a person carries out these arts of living, he will be on his way to success which is the thing for which everyone is striving.

Marjorie Pierce

Eliza Hebb

PEPPER RELISH

You have heard of Aunt Jennie and you have heard of Betty Crocker, but have you heard of Aunt Minnie of Essex Aggie? Each month in the coming year, you will find one of her favorite recipes in this paper.

In my conversation with her the other day she said that this is a good season for pickling. With winter coming, relish will taste good with Saturday evening beans.

12 red sweet peppers, 12 green sweet peppers, 12 small onions, 3 pints vinegar, 2 tbsp. salt, 1 1/2 cups sugar.

Wash peppers, cut and remove seeds. Place peppers and onions in water; drain, put through a meat chopper. Add boiling water and let stand 10 minutes; drain and add vinegar, sugar and salt, then boil 10 to 15 minutes. Put in clean hot glass jars and seal.

Marguerite Hanley

Dorothy Bick

HALLOWE'EN

We are fast approaching the time when "The goblins will get you if you don't watch out". If you are planning a Hallowe'en celebration the leaflet "Hallowe'en Program and Party Suggestions for Home and Community" is filled with excellent suggestions. This leaflet is prepared by Lawrence V. Loy, Extension Specialist in Community Organization and Recreation and may be obtained from the County Home Demonstration Agent, Essex County Agricultural School, Hathorne, Massachusetts. A copy will be sent you free of charge upon request.

K. M. L.

ECHO CLUB ACTIVITIES

The Echo Club started early this year to make arrangements for an eventful and interesting year.

Mr. Knowlton has an interesting program called "Around Cape Ann With a Color Camera", which he will present about the third week in October.

The Budget and Program committees have been formed with the following members; **Budget:** Mary Louise Hill, Charlotte Kruschwitz, Helen Small, R. Rita Hitchcock, Gloria Tondreau, Mary Lovely, Adeline Fizzano, Constance Ormsby. **Program:** Eliza Hebb, Ruth Hurrell, Evelyn Hall, Bette Kirwin, Carol Wendell, Stella Scalia, and Rose Grasso.

Rita Hitchcock

JUDGING AT EASTERN STATES

Victor LaBranche and Edmund Richards were participants in the Milk judging contests held at Eastern States Exposition. Ralph Wilkins and Harold Mates participated in the Poultry judging contests. These students with Instructor Eastwood attended the F.F.A. Banquet and Regional speaking contest at the West Springfield Y.M.C.A. on September 19.

17th ANNUAL SCIENCE EXPOSITION

From October 31 to November 14 we shall be Science minded here at Essex Aggie. On the 31st the New Students will have their exhibition. The most outstanding of this group will be led over to enter the 17th Annual Science Exposition which will be open to the public November 12, 13, and 14.

The exposition includes Science exhibits put up by the upper class men, Identification Contests for all students, and an Assembly for the students with an outstanding Science Speaker.

This exposition is sponsored by the Science Committee of the Future Farmers of America.

ESSEX FARMER AND HOMEMAKER

SUMMER PROJECT AWARDS

On the first day of school, the returning Seniors and Juniors turned in their summer projects to Miss Smith, home project supervisor.

Clothing seemed to be the favorite of most of the girls and articles of every description were turned in. These included cotton and silk dresses, house coats, children's clothes, slacks, and curtains.

The Seniors who had gardening during their Junior year, carried this on during the summer and thus gained project credit.

The girls who took foods as part of their project, have prepared the meals for their families, or if employed, for their employer. A report giving information of their work was signed by the parent or employer and turned in.

The Senior girls who won awards for good work in clothing are Doris Donze who won first prize, Ruth Karlson, won second prize, and the third prize went to Lorena Loeffler.

The Senior girls who won awards for good work in foods were Marion Bean who won first prize, Elaine Kennedy won second prize and Lorena Loeffler, third prize.

In Junior clothing, first prize went to Diana Olds, second prize to Carolyn Archambault, and third prize to Edith Quinn.

In Junior foods, first prize went to Mary Lovely, second prize to May Duckett and third prize to Barbara Bell.

Miss Marion Parker, from the Beverly Health Centre, judged the project work of the girls.

Lorena Loeffler

F. F. A. SECRETARY

Mr. William A. Ross, National Executive Secretary of the F. F. A. visited the Essex Chapter Roadside Stand in August. Mr. Ross was much impressed by the attractive appearance of the displays and requested a picture of the stand for publication.

ECHO CLUB PICNIC

On September 24, students of the Homemaking Department had a picnic on the campus near the girls' building.

The girls enjoyed a luncheon prepared by the Senior B division.

After eating, the students and faculty members joined in the merriment of acting out charades and then guessing the names of magazines. Next each group of girls put on a style show of girls dressed in costumes improvised from newspapers with the aid of scissors and pins.

The first prize went to Edith Quinn who was dressed as a bride and the second prize to Ruth Hurrell who well acted the role of a scarecrow.

Regina Barrow

NEW STUDENTS

We are already on the second month of the school year and following is the list of students who have entered the Agricultural and Homemaking departments.

Agricultural Department

Alban Begin, Danvers
Edward Bessom, Marblehead
John Broderick, Lynn
Joseph J. Bruni, Peabody
Mary E. Carey, North Andover
Arthur F. Cherbinis, Amesbury
William T. Colby, Jr., Newbury
William H. Conrad, Danvers
Winston Corbett, Wakefield
Bruce Dawson, Revere
Clifton L. Demeritt, Merrimac
Ernest Dorman, Essex
Richard Dufresne, Watertown
John Edmonds, Andover
Roy Fitzgerald, Methuen
Raymond L. Freeman, Peabody
Roy Gage, Danvers
Paul F. Gagnon, Byfield
Donald Gillis, Swampscott
William Goodhue, Peabody
George L. Goodwin, Salem
Warren Grover, Rowley
Thomas S. Hathaway, Nahant
Lenley M. Henshaw, Salem
Marshall Jones, Danvers
Leo J. Kopacki, Danvers
Joseph Laura, Jr., Saugus
Mark DeM. Letherman, Malden
Herbert Makin, Lawrence
Wentworth Marshall, Beverly
Warren Mason, Billerica
Chesley T. Mears, Essex
John Merrill, Topsfield
Albert T. Miles, Lynn
Arthur C. Mills, Woburn
Walter Mills, Jr., Woburn
William O. Moseley, Ipswich
Wilhelmina Norris, Danvers
Malcom Noyes, Newburyport
Wallace L. Orcutt, West Newbury
James O'Shea, Peabody
Philip A. Page, Saugus
Bertha Petkus, Peabody
William Purkis, Topsfield
John Rider, Danvers
John Rubchinook, Middleton
Donald Soiett, Lynn
Donald Spurling, Rowley
George Sullivan, Peabody
Norman Swett, Lynn
Henry Turcotte, Salem
Donald Webb, Wenham
Vernon Wright, Danvers

Homemaking Department

Alice V. Agersea, Saugus
Gertrude F. Barney, Rowley
Beatrice Beaumier, Lawrence
Dorothy A. Bick, Salem
Irene Champagne, Lawrence
Marion Chapman, Saugus
Margaret E. Colby, Haverhill
Rose Devoe, Peabody
Katherine Dabrieo, Peabody
Lillian Drapeau, Beverly
Eva Drozdowski, Newbury
Hilda Dwyer, Andover
Hazel Dyke, Methuen
Rose Fagg, Danvers
Dorothy Fowler, Danvers
Leona Fregeau, Marblehead
Gertrude Frost, Boxford
Helen Gadbois, Reading

FRUIT JUDGING TROPHY COMES TO ECAS

At the Essex County Fair Fruit Judging Contest for Juniors held September 6 at Topsfield, the Essex Aggie boys again placed first and won the Niagara Award, a large silver trophy. Having won the cup three times, it will be held permanently by the School. The permanent possession of this cup has been hotly contested, Norfolk County and Essex County Aggies have each won it twice previously. This cup was donated by the Niagara Sprayer and Chemical Company of Middleport, New York.

The fruit judging team consisted of Emile St. Pierre of Lawrence, Henry Britton of Byfield and Edward Lynch of Lawrence. These boys placed first, second and fifth respectively, Harold Kelly of Beverly and Richard Brown of Swampscott were alternates.

In addition to the silver cup and blue rosettes awarded the team, each of the team members received a bronze medal from the Massachusetts Department of Agriculture.

C. M. Wood
Instructor in Fruit Growing

Ella L. Gauthier, Peabody
Rose Grasso, Lawrence
Marguerite E. Hanly, Salem
Eliza Hebb, Boxford
Mary L. Hill, Salem
Barbara L. Hood, Middleton
Doris E. Horne, Salem
Ruth Hurrell, Methuen
Faith C. Kenney, Beverly
Evelyn Kent, Georgetown
Helen Koziska, Peabody
Charlotte J. Kruschwitz, North Andover.
Constance Kruschwitz, North Andover.
Marie M. Madore, Salem
Olga Maklae, Peabody
Margaret Maroney, Peabody
Mary Ann Miles, Lynn
Greta R. Mudge, Lynn
Edith E. Nichols, Salem
Marion E. Noyes, Newbury
Laura Onistzuck, Groveland
Constance R. Ormsby, Andover
Elizabeth T. Paige, Middleton
Muriel A. Parker, Lynn
Helen E. Pettingill, Danvers
Marjorie Pierce, Salisbury
Adeline Pizzano, Methuen
Alice R. Richardson, Middleton
Elsie Robertson, Beverly
Elizabeth Rubchinook, Middleton
Mildred Sapienza, Lawrence
Stella Scallia, Lawrence
Helen C. Smith, Danvers
Alice Souza, Peabody
Doris Spurr, Methuen
Agatha L. Stravinsky, Methuen
Sylvia P. Starbard, Peabody
Effie M. Story, Essex
Helen M. Taylor, Salisbury
Elizabeth Tidd, Georgetown
Gloria Tondreau, Salem
Janice Trombla, Amesbury
Norma R. Walsh, Topsfield

UNCLE SAM NEEDS MORE MILK

Uncle Sam in order to develop himself properly for his own defense during the next year needs more milk. It is estimated that Essex County dairymen should produce 3% more milk than they did in 1941 and the State of Massachusetts should produce about 250,000 pounds more milk in 1942 to satisfy Uncle Sam's increasing appetite and guarantee healthy living and a satisfactory defense program.

In view of the fact we need to produce more milk in 1942 we should review the factors affecting milk production, cost and returns to determine just how we can increase production to best advantage.

The factors that we must review that enter into milk production are first, feeding efficiency, we need to feed our cows so that we take 60 to 90 days before the cows are on full feed. A cow that has just calved if she is in good condition will naturally produce a good yield of milk. She will not need maximum feed until later in the lactation to hold up the production when it naturally tends to shrink.

The second factor to consider is milk and butter fat production per cow. Records show that the high producer is much more economical feeder and keeper than low or average producing cows. It is also more efficiency to feed one good cow than two average cows.

The third factor is the availability of plenty of home grown roughage. Those farms that have plenty of quality home grown roughage can produce more milk and at less cost than those farms which need of necessity purchase most of their roughage.

Fourth factor which is important when we need to increase production is the number of times a day the cows are milked. Records show that cows that are milked three times a day will give 15 to 20% more milk than when milked twice a day.

Herd health is also important in maintaining increase milk production. Purchasing young cows is advisable because records show that they are less susceptible to disease and ailments than are older mature cows that have been shifted from farm to farm. Young cows also improve in production up through the third lactation.

Special care should be paid to herd sanitation to prevent spread or introduction of such diseases as abortion and mastitis into the herd. Increase the size of your herd will help increase production for 1942. Keep at least one more cow for each 20 cows you have will give the necessary increase production asked for by Uncle Sam.

Clean milk production is important in maintaining increase milk production for 1942. The use of careless methods of milking, feeding or handling of milk which renders milk unfit for human consumption will reduce rather than increase our 1942 milk supply.

The last but most important factor to consider to increase milk production is the price of milk and the cost of

1942 CONSERVATION MATERIALS

Orders for lime and 20% superphosphate under the 1942 Agricultural Conservation Program should be placed now so that deliveries may be made this fall.

Fall liming is a good farm practice. Superphosphate in gutters will reinforce the manure and reduce nitrogen losses through evaporation, freezing or drying.

The advantage of ordering now cannot be overestimated. Prices are very likely to advance, and the supply of some materials may become exhausted.

Notices have been sent through the mail to those farmers already enrolled in the Conservation Program, advising where in each town, and when orders may be placed. Any others interested in enrolling should contact Edwin C. Martin at the Agricultural Conservation office, Room 34 of the Essex County Agricultural School, Hathorne.

Each ton of lime furnished under the 1942 Program will use \$5.20 of the soil building allowance established for your farm. You pay 60¢ in cash.

Each hundred lbs. of 20% superphosphate will use 87¢ of your soil building allowance, and you pay 10¢ in cash.

The lime will come to the siding in freight cars the same as last year, and each farmer will haul his own. The farmers of Essex County voted two-to-one in favor of this method against 80¢ per ton additional for delivery direct to the farm.

The county committee feels very certain at this time that delivery of the superphosphate can be made direct to the farm at no extra charge. The trucker will be working on a very small margin of profit, so any assistance in unloading will be greatly appreciated.

Materials furnished under the 1941 Conservation Program must be used before orders for 1942 materials may be placed.

E. C. M.

feeds, labor, etc. Price of milk should be high enough to warrant heavy feeding to maintain increase production at a profit or the price of feed, labor, etc., should be kept low enough to insure that the farmers will feed liberal enough to increase production and make a profit on the present milk price. Every dairy farmer in the county should review these factors very carefully and decide which factors he can well adopt to increase his milk supply for 1942 and thus do his bit toward national defense.

John E. Eastwood
Instructor in Animal Husbandry
and Dairying

GARDEN CHAT

Do we like to eat when we're hungry? I'll say we do and unless we receive the proper nourishment we do not accomplish the amount of work we should. Plants require food, too, in order to produce good yields. We hear of Mr. X receiving a yield of 350 Bu. of potatoes per acre while Mr. A received only 200 Bu. Well, there are many factors that enter into this great variation but the amount of water and organic matter present accounts for much of it.

How can one add organic matter to the soil? Animal manures and green manure crops turned under account for the largest percentage of organic matter that can be added to the soil. This not only adds plant food but aids materially in retaining moisture in the soil. Moisture is necessary to aid in dissolving or placing in solution the available food elements in order that the plants can feed or assimilate food through their roots.

Animal manures have become scarce and too expensive in many cases to use on the soil in the growing of vegetables. Hence, the economical way of adding organic matter would be by means of green manure crops.

All land that is not planted to crops at the present should be plowed or harrowed up and seeded down with 2 Bu. of Winter Rye and a peck of Winter Vetch seed per acre. Were you to have seeded down during September you could have used 1½ Bu. of Rye seed per acre with the Vetch and if during late August at the rate of 1-1½ Bu. of Rye along with the Vetch. In other words you'll note that the later into the Fall you seed the Winter Rye, the more seed is required in order to get a good coverage of vegetative growth.

Next Spring this green crop should be topped dressed with several hundred pounds of nitrate of soda or cyanamid fertilizer several weeks before turning under to stimulate bacteria action. The crop should be turned under when about knee high to add the largest amount of food to the soil. Some growers, who have found difficulty in turning under tall green crops, have gone over their field with a harrow to cut up the green material first and have found the crop to turn under better.

Those who have followed the practice of turning under green manure crops and have added fertilizers in addition, have come out ahead with larger yields and therefore better quality vegetables and more income.

Carlton M. Stearns

THE F. F. A. COLORS

The official colors of the organization are gold and blue. These colors should be used in connection with all F. F. A. activities where the use of the colors of the organization is appropriate. A yellow corn color on a background of medium blue has been found to be an ideal color combination.



4-H Club Notes



4-H DAIRY SHOWS

Topsfield Fair

There were 28 4-H members from four counties, Middlesex, Norfolk, Plymouth and Essex, who exhibited 40, 4-H dairy animals at Topsfield Fair. The 4-H show was made possible by the Society for Promoting Agriculture.

Essex boys took their share of the awards. Edmund Richards of Wenham took first place with his Guernsey Senior Yearling. Lyman Orcutt of West Newbury took second place with his Guernsey calf.

Robert Woodworth, West Newbury, had the Champion Holstein animal in the 4-H show. Albert Blackadar, Haverhill took first place with his Junior Yearling.

Dudley Rogers of Wethersfield Farm, Danvers, was the chairman of the 4-H Dairy committee at the fair and a member of the Society for Promoting Agriculture. He invited all members of the dairy camp to visit his farm. They went there as a group and toured the farm, after which ice cream and cake was served.

Eastern States and Brockton

Lyman Orcutt of West Newbury also exhibited at Brockton Fair, where he received first prize in showmanship. He received first prize on his Guernsey Calf and second on his yearling.

Orcutt also was the first Dairy boy from Essex County to show a 4-H Dairy animal at the Eastern States Exposition. Lyman took third and fourth places with his calf and yearling in Massachusetts competing with club members state-wide and fifth and sixth with the same animals competing with all Dairy club members from the New England States.

Charles Savage, Newbury; Robert Woodworth, West Newbury and Lyman Orcutt were on the Essex County 4-H Dairy team at Eastern States.

Byron Colby

238 PRIZES AWARDED

In the home economics projects 238 prizes were awarded at the Topsfield Fair to 4-H club members. These projects were clothing, canning, foods, home furnishing, crafts and notebooks.

These 238 prizes were awarded to 94 club members with a total of \$164.00. Six prize winners in Greenwood won a total of \$4.50; Danvers, 25 prize winners, \$76.00; this amount included the \$26.75 won by Wilma Welch who received the Sweepstakes award; and Beverly had 36 winners with a total of \$48.00

Ida M. Davis
Asst. Club Agent

4-H POULTRY NOTES

Two Saugus 4-H Club members exhibited their poultry at the Eastern States Exposition and won first prizes. Lyman Biggart of the Red Rooster Juniors and Robert Stedman of the Saugus Red Comb Poultry Club, a total of \$7.50 prize money for the two.

The 4-H boys that exhibited their poultry at the Topsfield Fair were all from Saugus. Many of them won several first prizes as well as a number of seconds.

These boys were Robert Stedman, Bruce Waybright, Lyman Biggart, Robert Mitchell, Robert Hines, Fred Hoffman, Bernard Berrett and Ludwig Hahn, a total of \$5.25 in prize money.

Robert Stedman, Bruce Waybright and Bernard Berrett judged at Topsfield and their team won first place. Robert Stedman received third place medal and Bruce Waybright received second place medal as the second and third high men in the 4-H contest.

Robert Stedman also judged at Brockton Fair and was third high man there and received a medal and \$1 cash prize. He judged at Eastern States Exposition and again was third high poultry judge in the Junior division.

The Essex Junior Poultry team at Eastern States placed third in the contest.

PIG and SHEEP NOTES

Grenville Jewett, age 15, of Ipswich and a member of the 4-H Pig Club exhibited his Chester White Pig in the Fat Pig class at Eastern States. He received \$34.19 when the pig was auctioned off.

Grenville's brother, Alfred Jewett, age 14, exhibited a Dorset Lamb in the Fat Lamb contest. He received \$13.75 for his lamb. All Fat animals were auctioned off on the grounds and the 4-H members received better than market price for their animals.

The two Jewett boys enjoyed their trip to the Fair and made a fair profit on their project and received some training on livestock.

(Continued from page 1, col. 3)

We know he's gone where sight is never dim

With God - Who knoweth only light - to be with Him.

And yet as days go by this shall we find,

Uncle George still lives in hearts he left behind.

Byron Colby
County 4-H Club Agent

APPRECIATION

The 4-H Club Department wishes to express their appreciation to the following committee chairmen for their kind assistance with 4-H at the Topsfield Fair: Mrs. Henry Albrecht, Mrs. J. Stanley Bennett, Mrs. Leon Jordan, Miss Marion Parker, Mrs. G. Richard Abbott, Paul Corson, Clyde Croft, Frederic Usher, and Dudley P. Rogers.

SERVICE CLUB

The 4-H Service Club labored hard and long at the 4-H Lunch Counter and Dining Hall at Topsfield Fair. Many fine dinners were served to the hungry fair visitors. A job well done 4-H'ers.
B. C.

GIRLS' CONTESTS

Every year at this time, 4-H Club members who have done outstanding club work have an opportunity to compete for County, State and National honors. Selections are made on the basis of written reports, record books and narrative stories. County winners compete for State honors, and the State Winners are given a prize trip to the National 4-H Club Congress in Chicago.

This year, for the first time an opportunity is given to Clothing Club members 14-21 years of age to win a trip for outstanding clothing records. This is in addition to the trip awarded to the winner of the Annual 4-H Style Revue.

The following girls competed in the County-wide Clothing Record Contest: Dorothy Abbott, Andover; Allene Dozier, East Lynn; Dorothy Troubetaris, Beverly; Marion Zwicker, Danvers. Of these Allene Dozier has been selected to compete in the State-wide contest.

In addition, the following girls have been selected to compete in the State-wide home economics contest: Girls' Record (for all round home economics) Rose Biodini of Beverly; Food Preparation, Palmina Boniface, Beverly; Canning, Alma Smallwood, Danvers.
I. M. D.

VEGETABLE JUDGING

William Hayman, James DeAdder and James Cunningham of the North Andover 4-H Garden Club judged vegetables at Topsfield Fair. Their team was in second place, Plymouth County had the first place team.

ESSEX FARMER AND HOMEMAKER

VOL. 23

HATHORNE, MASS. NOVEMBER, 1941

NO. 11

Entered as a second-class matter, May 28, 1919, at the Post Office at Hathorne, Mass., under the Acts of August 24, 1912.

Attention Alumni

There are three important dates in November for the Alumni, November 11, 16, and 18.

November 11 will be open house at Essex Aggie and it is hoped that just as many of the Alumni as possible will return. The 17th Annual Science Exposition will open at nine o'clock Armistice Day morning. If you have not been back to view this annual event for a few years, you certainly will be surprised at the scope of this exposition.

At two o'clock there will be a sports program, Football! and Cross-Country Run! Essex Aggie vs Lowell High B team. The Cross-Country Run will be the Second Annual North Shore Meet which will take place between the halves of the football game. Be sure to come back for at least part of the day.

November 16, Annual Business meeting and election of officers. It was voted at the annual meeting last year to hold the annual meeting on the Sunday previous to Graduation. The last few years' annual meeting have not been the success that they should have been as there never was enough time to enjoy the banquet, have a business meeting and dance. The business meeting will be held here at Essex Aggie at 2:30 p. m. Sunday, November 16. Come!

November 18, the evening of Graduation Day, (please note that it is a week earlier than usual as Thanksgiving is early this year) a Banquet and Dance will be enjoyed at the School with the dinner at 6:30 p. m. There will be more time for visiting with your friends and much more time for dancing than in past years. Plan to come. Reservations may be made with any of the officers of the Association, they are: President, Joseph Cassano '20; Vice-Presidents, Howard Wilson '38, Elvira Broughton '31; Secretary-Treasurer, Eric Bergstrom '23, or the Alumni office at Essex Aggie.

DAIRYMEN'S DINNER

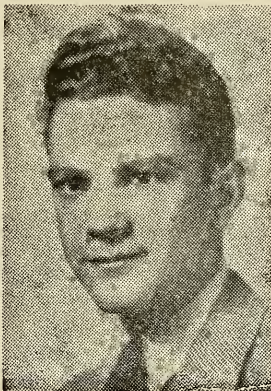
Prof. V. A. Rice will be the principal speaker at the Dairymen's Dinner, Friday, December 12 at 7 P. M. at Wheelers. This will be sponsored by the Essex County Dairy Herd Improvement Association, Herbert Kimball of Haverhill is President, William J. Abbott, Hathorne, Secretary-Treasurer. There will be election of officers and some entertainment. Those desiring to procure tickets should contact the officers or the County Agent. Ladies are invited. Come and bring your lady.

Jones and Britton Attend F. F. A. Conclave

High honors came to two members of the 1941 class at Essex Aggie, this past month when Harold Jones of Danvers and Henry Britton of Byfield were sent to Kansas City to attend the National Convention of the Future Farmers of America.

Jones as third vice president of the State Association was sent by the state to represent Massachusetts. Britton was awarded a trip as the outstanding "Bay State Farmer" by the New York Central Railroad. Britton is also an officer of the State organization holding the position of State F. F. A. Reporter.

Jones has been an honor student all through Essex Aggie having been on the honor roll 10 of the 12 terms. He majored in Ornamental Horticulture,



Harold Jones

was a member of the Floriculture Club for four years, Glee Club two years, chairman of the committee that showed at the Boston Spring Flower Show, vice chairman of the Science committee, Student Editor of the Essex Farmer and Homemaker on the editorial board of the Green and White. In 1940 he became a "Bay State Farmer" in the F. F. A. and was elected as third vice president of the state organization. He won his extra curricular "E" in 1940 and was an exhibitor at the Fall, Christmas and Spring Flower Shows the entire four years at Essex Aggie. He has a permanent position with Curran Bros. Florists, in Danvers. Jones and Britton are among those having parts in the graduation exercises.

(Continued on page 2, col. 1)

Graduation

The main event in the fall is the graduation exercises. As the members of the senior class are out on summer projects the exercises are held in November. This year graduation falls on November 18th.

The students from the Homemaking Department who are to speak are Reina Gumb and Lila Bullock, both from Methuen, who have had outstanding scholastic records in their course of study. Miss Gumb will speak on the subject "Challenging Opportunities", and Miss Bullock will speak on "The Why of the Tearoom."

Five young men from the Agricultural Department will give as their share of the program a Radio Broadcast "Our Project 1941." These young men are E. Peter Venti and Harold Jones of Danvers, Forrest Reynolds of Amesbury, Ralph Wilkins of Beverly and Henry Britton of Byfield.

Marjorie Pierce

CANDIDATES FOR GRADUATION

Following is the list of candidates for graduation, this includes the three and four year agricultural students; the three year and one year homemaking students. The three year agricultural and one year homemaking students are graduates of high schools previous to their coming to Essex Aggie.

Amesbury: Forrest Reynolds, Phyllis Tremblay; **Andover:** Walter N. Pike; **Beverly:** Donald Aldrich, John Ambreffe, Clarence Munroe, Ralph Wilkins, Ilene Briggs, Phyllis Cook, Kathleen Gancy, Helen Hallock; **Danvers:** Harold Jones, E. Peter Venti, Alice Clark, Doris Durkee, Barbara Hennigar; **Georgetown:** John Adams, Austin Shorten, Ruth Adams; **Gloucester:** Robert J. Landry; **Groveland:** Ina Stephenson; **Hamilton:** Eugene Cobb, Jessie Shaw; **Haverhill:** Victor LaBranche, Burton Smith, Althea Dennett; **Lawrence:** Emile St. Pierre, Lena Barbagallo, Claire Cadorette, Frances Calvert, Doris Englehardt, Margaret Kennedy, Mary Regan, Velma Robinson, Evelyn Seacole, Lucy Tela; **Lynn:** Howard Bacon, Alice Cormier, Gertrude Mungan, Muriel Pontius, Isabelle Weed; **Lynnfield:** Lucille Treamer; **Manchester:** Frank Lane; **Marblehead:** Harold Pierce, T. Joseph Roche, Justine Bishop, Virginia Wade; **Merrimac:** Henry Lay; **Methuen:** Robert Jackson, Lila Bullock, Claire Burgess, Muriel Craven, Bertha Delduca, Reina Gumb, Dorothy

(Continued on page 3, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

Published monthly by the Trustees of
the Essex County Agricultural School

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JONES AND BRITTON

(Continued from page 1, col. 2)

Henry Britton, Jr. majored in Large Fruit and minored in Small Fruits during his three years at Essex Aggie. He was a member of the '39 and '40 Hockey teams and the '40 Football squad. He is on the Board of the State F. F. A. organization as State Reporter and he served as Treasurer of the Essex Chapter while at E. C. A. S. Britton held office in the Foods Club and the County Service Committee. He served on the editorial board of the Green and White '38, '39 and '40. He received his "Bay State Farmer" Degree in 1940.

In Fruit judging Britton has made a name for himself as he has won first individual place at State, Topsfield and the Massachusetts Fruit Growers Association contests. He was on the Aggie team that won the Niagara Silver Trophy twice. In fact Britton is considered one of the Best Junior Fruit Judges in the State. He has a permanent position with Frank Hale of Rowley who has one of the largest pear orchards in the state.

BETTER HOMES RADIO PROGRAM

Station WLAU, Lawrence, Mass.

11: 00 a. m.

- November 10 - 4-H Club Activities, Miss Ida B. Davis, Ass't. County Club Agent.
November 17 - Christmas Greetings - Katherine M. Lawler
November 24 - Food Facts and Fads - Katherine M. Lawler
County Home Demonstration Agent.
December 1 - Homemade Christmas Gifts, Katherine M. Lawler, County Home Demonstration Agent.
December 8 - Christmas Festivities - Katherine M. Lawler, County Home Demonstration Agent.

FAVORS FOR THE THANKSGIVING TABLE

It means a lot of work to have a family party for Thanksgiving. Just to get the dinner ready is enough to do without bothering with extras, you may say, and you are quite right. However, perhaps some younger member of the family may be glad to help, and simple favors that she can make often lend gaiety to the occasion.

Favors made of pipe cleaners may be made up in dozens of different ways. They only cost a few pennies and can be made in most amusing shapes. If you happen to have any odds and ends of crepe paper, here is a way you can dress up some pipe cleaner favors to resemble little figures of men and women.

Take one cleaner and bend it in halves. Place the center around your little finger or around a pencil to form a loop, and then twist twice to hold the loop. Then fill this loop firmly with absorbent cotton to form the head. The ends of the cleaner form two legs of the figure. Take another cleaner and cut it in halves. One half, when twisted horizontally around the body of the figure, slightly below the head, will form the two arms.

Now you are ready to wind the body. Take some light pink crepe paper and cut a piece one-quarter inch across the grain. Stretch it well to get all the crepe out. Then start winding tightly around head, body, arms and legs until all are completely covered. It is only necessary to paste the paper when starting or ending the winding. Also be careful to cut the crepe paper with a slanting cut when starting or ending. In that way the end is less conspicuous. If wound tightly enough, the spirals of the winding cannot be seen.

If you wish to dress some of your figures as Puritan women select some gray crepe paper. A small piece, one quarter inch wide, cut across the grain, may be wound around the top of the figure and the arms to form the waist and sleeves. Take a piece the right length for the skirt and wide enough to go around the figure easily once and a half times. The grain of the crepe should be going lengthwise with the skirt. Now gather the skirt with a needle and some coarse cotton thread across the top. Place the skirt up under the arms of the figure, pull up the gathering string, and tie in a secure knot. An apron may be easily devised out of a piece of white crepe paper. A kerchief of white crepe paper can be made by cutting a triangular piece on a true bias so that it will fold more easily about the neck of the figures.

Of course your figure will need some hair. You may use bits of yarn for this, or you may shred some light yellow or brown crepe paper very fine. Put some paste in the head and then dip the head in the shredded crepe. A quite curly head of hair will be the result. Put on the features with black ink. A Puritan bonnet will not be hard to devise, and now your Puritan maid is complete. Don't forget that figures have elbows and knees, and pipe cleaners bend easily, to give the effect of action.

DOUGHNUTS

When frost appears and spicy odors are in the air, doughnuts and cider renew their favor, for both everyday and also for festive occasions. Let us make our own, and produce delicious ones which will tempt the eyes as well as the palate. We want them with a light, crisp, golden exterior, free of cracks and inside not a trace of grease, but a fine and delicate crumb.

This is a good recipe to follow:

1 cup milk
2 Tbsp shortening
1 cup granulated sugar
2 eggs beaten well
¼ tsp cinnamon
¼ tsp nutmeg
1 tsp salt
4½ tsp baking powder

about 4 cups bread or all purpose flour. Cream the shortening and sugar until well blended; add the eggs. Sift 3½ cups of the flour with the remaining dry ingredients and add to the egg mixture alternately with the milk; beat well. Add more flour, enough to make a soft dough, which can easily be handled. Knead out any cracks and chill ½ hour, if time permits. Take out only half the dough at a time and roll out on lightly floured board to ½ inch thickness. Cut into desired shapes as needed. Doughnuts, which stand waiting to be fried, dry out on top and crack when fried. Fry in fat at 370° or in fat in which an inch cube of bread browns to a golden color in one minute. Turn doughnuts as soon as they rise to the top and several times as they fry. Remove and drain on absorbent paper. While hot, sprinkle with granulated sugar or with a mixture of cinnamon and sugar. If the temperature of fat gets too high the doughnuts will crack. If the temperature is too low, they will become greasy soaked.

This recipe makes two dozen doughnuts. If your family is small, you may prefer to fry only part of the mixture at a time. The remainder will keep very well in the refrigerator, if covered up carefully.

You may vary your doughnuts by adding to the dough some chopped pecans, a little candied orange peel or a trace of ginger. To make them real festive, decorate with a ruff of caramel frosting.

For afternoon teas, tiny doughnuts made with above variations and dropped by teaspoonful into the hot fat, make a delicious accompaniment to a cup of hot tea.

Bessie H. McJunkin
Instructor in Foods and Clothing

I am sure a Puritan man will not be too hard to make, and Indians can be made in quite a realistic effect if reddish brown crepe paper is substituted for winding the bodies of the figures.

Of course, bend over the ends of the pipe cleaners to form feet, and then sew the feet to cards. Thus the little figures make ideal place cards as well as favors, not to mention a bit of fun for the Thanksgiving party.

Margaret R. Harris
Instructor in Related Art

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

NOVEMBER, 1941

FIRE PREVENTION WEEK

Fire is used so commonly, today that it seems almost impossible to believe that there was a time when man did not know what fire was. No one knows when man first discovered fire or when he was first able to produce it.

It is hard to imagine what life would be like without fire. Yet you read in the papers of enormous losses caused by its destructive powers. You perhaps read of the Fall River fire in your newspaper only recently. This fire which while roaring through the Firestone Rubber Lastex Corporation caused the destruction of some 120,000 tons of rubber valued at \$5,000,000. which because of the war will be very difficult to replace. This fire caused \$13,000,000 worth of damage.

Our government, both local and national is doing much to prevent such disaster.

The local government usually enacts a fire code or set of laws protecting the people against fire hazards. These regulations concern the construction and inspection of buildings. One of the most important duties of a city or town government is to see that plans for new buildings include fire exits.

The schools teach fire prevention. Several states including Massachusetts have a Fire Prevention Week. The Homemaking Department observed Fire Prevention Week by having fire drills, one from the classrooms and one while the students were in the Assembly Hall. They proved that the building could be vacated in a minute or a minute and a half, whenever it becomes necessary.

Regina Barrow

RED CROSS DOLLS

During an assembly recently the Homemaking girls were shown nine dolls dressed as nurses in different fields of work. Last year's girls made these nurses' uniforms in class for home project with Miss Smith. The work was done for Mrs. Charles Ropes of the Salem Chapter of the Red Cross. The colors of these uniforms stand for the different fields of work.

The white uniform with navy blue cuffs, collar, and veil designate the Production Corps; the white with purple cuffs, collar and veil, Home Service; the navy blue with long sleeves, white collar, cuffs, veil, Braille Corps; the blue with short sleeves, over seas hat, collar, cuffs, Canteen Corps. The white uniform with red collar, cuffs, veil, Administration; Red, with white short sleeves, over seas hat, called the Pink Lady, Health Aid Corps; Gray with white collar, cuffs, veil, called the Gray Lady, Hospital and Recreation Service; the Green with white collar, cuffs, veil,

THANKSGIVING RECIPES

In view of the coming holidays, recipes were chosen appropriate for the occasion. They are simple and economical, yet can compete with the best money can buy. The recipes follow:

Welsh Fruit Cake

2 cups granulated sugar
2 cups hot water
 $\frac{1}{2}$ cup lard or other shortening
1 teaspoon cinnamon
1 teaspoon allspice
1 teaspoon nutmeg
1 pound raisins (part seeded and part seedless).
1 pound currants
Put above on and boil 5 minutes.
Let cool.

Add 1 teaspoon soda to 1 cup hot water. Cool and add to first mixture with 1 tablespoon vanilla.

3 cups all purpose flour
 $\frac{1}{2}$ teaspoon salt

Butter and flour tins or use heavy brown paper. Bake at 300°F. Makes two large loaves or several smaller loaves.

If wrapped in cellophane and tied it will keep moist for months. Store in crock or glass jars. Time for baking depends on size of pans. For gift cakes small 3 x 5 pans take 1 hour.

Hunter's Pudding

1 cup finely chopped suet
1 cup molasses
1 cup milk
3 cups flour
1 teaspoon soda
 $\frac{1}{2}$ teaspoon salt
 $\frac{1}{2}$ teaspoon each of Ginger, Clove, Nutmeg.

1 teaspoon cinnamon
 $1\frac{1}{2}$ cups seeded raisins floured
Mix and sift dry ingredients, add molasses and milk to suet and combine mixtures. Steam 3 hours, serve with Sterling Sauce.

Sterling Sauce

$\frac{1}{2}$ cup butter
1 cup brown sugar
1 teaspoon vanilla
2 tablespoon wine
4 tablespoon luke warm cream or milk
Cream butter, add sugar gradually, add milk and wine drop by drop to prevent separation.

Dorothy Fowler
Miriam Fitchuk

GIRLS' SPORTS

The girls' gym instructor for this year is Mrs. Beatrice Couhig of Danvers, and she is planning a very interesting and exciting sports program for the school season.

The girls have enjoyed their sports program so far very much and are looking forward to winter and spring sports with much pleasure. At the present time they are working at a game of Intra-Mural Speedball. Gym sessions so far have been carried on at the Athletic field, when the weather was favorable. The play-offs started October 22 with the High School graduates challenging the Freshmen.

During the winter the girls sports will be carried on in the gymnasium of the agricultural department. There will be a variation of games undertaken at this time. The winter program consists of such sports as apparatus work, indoor games, Hetpin baseball, volley ball and basket ball.

In the spring, sports will again be carried on at the athletic field. The girls will be enjoying such sports as track, various outdoor games, and a program of stunts.

This program can be enjoyed very much and should show fine results when the girls put forth whole-hearted effort and cooperation.

Eliza Hebb
Grace Marshall

ECHO CLUB ASSEMBLY

Miss Sullivan a hairdresser from the Crest Beauty Shop in Salem was the guest at an Assembly at the Homemaking Department on Tuesday, October 21.

Miss Sullivan talked on the skin, hair and scalp. She answered all questions that were puzzling the girls. Margaret Colby of Haverhill, Edith Quinn of Saugus and Barbara Bell of Haverhill volunteered to be models for the beautician.

She gave a very impressive talk on the importance of good care for the hair and scalp. She stressed the fact that brushing the hair from 50 to 100 times at night was one way to loveliness.

For smooth and attractive skin she suggested eating green foods and salads, plenty of milk and water. Too many sweets and fried foods are not good for the complexion and the result show in a poor skin condition.

A little make-up is sufficient, too much looks artificial. The aim is to look as natural as possible.

Virginia Ayles

Indoor Motor Corps; Yellow with white collar, cuffs, veil, Staff Assistant Corps.

Mr. Knowlton took a photograph in colored films of these dolls, so there will be a picture record of them.

Gloria Kennedy

1941 GLEE CLUB

This year we have had a large number of students turn out to lend their musical talents to the Essex Aggie Glee Club. The chorus is practicing two songs, "I Heard a Forest Praying" and "Now, Let the Heavens Adore", under the direction of Mrs. Ethel Bragdon of Danvers.

The following girls are in the Soprano section: Dorothy Bick, Eliza Hebb, Edith Nichols, Marion Noyes, Janice Trombla, Helen Taylor, Eleanor Duffy, Catherine Cahill, Ruth Woelfel, Ada Fothergill, Rita Hitchcock, Bette Kirwin, Louise Clark, Miriam Fitchuk, Claire Gillespie, Bernadette Lanier, Carolyn Archambault, Gloria Kennedy, Mary Lovely, Grace Marshall, Marilyn Ostler, Rose Devoe, Barbara Hood, Greta Mudge, Mildred Sapientza, Rose Grasso, Elizabeth Paige, Muriel Parker, Ruby Richardson, Elizabeth Rubchinook.

Altos: Constance Kruschwitz, Charlotte Kruschwitz, Effie Story, Gertrude Barney, Kathleen Dabrio, Ruth Hurrell, Margaret Moroney, Helen Pettingell, Marjorie Pierce, Agatha Stravinsky, Norma Walsh, Judith Jameson, Eleanor Annis, Gloria Tondreau, Beatrice Beaumier, Adeline Pizzano, Elizabeth Tidd, Virginia Ayles, Mary Belfiore, Dorothy Fowler, Diana Olds, Marion Peatman, Eva Drodowski, Constance Ormsby, Doris Spurr.

Laura Onistzuk

"INFORMATION PLEASE"

This article is dedicated to the scientific farmers of the county, who keep in touch with the latest farming developments.

Here are a few of the latest agricultural practices.

A growth-promoting hormone for speeding up root formation and inducing growth of seedless fruits, has been discovered by Dr. John Mitchell of the U. S. D. A.

It is obtained by extracting ripening corn pollen in ether. A fatty substance is left, which is mixed with lanolin in 1-10 ratio. The paste is then spread on the part of the plant where growth effects are wanted.

The effectiveness of this substance may be put into use by florists, in getting longer stemmed flowers, or producing longer fibered stems in such plants as flax or hemp. Another use is to produce seedless fruits from unpollinated flowers.

Vegetable and flower plants that have to be started indoors such as tomatoes, can be protected against damping-off, a deadly fungus disease, by planting the seed in flats filled with sphagnum moss instead of soil. This is recommended by the U. S. D. A.

Vitamin B-1 is supplied to plants by sticks of green wood, impregnated with the vitamin. These are thrust into the soil close to the roots. Every time the plant is watered, the vitamin is released.

Christie Mpelkas

THE POULTRYMEN'S ASSOCIATION DINNER

The Essex County Poultry Association held its annual dinner on October 22 in the Homemaking Department Building.

The dinner was served to 120 guests at 6:30 p. m. in both the upstairs and downstairs dining rooms.

Practically all of the meal was prepared during school time, by students during their foods classes.

The girls who were waitresses and those who served the meal were those who volunteered their services. These girls received valuable experience, home project credit, and a serving of the excellent meal.

The following is the menu:

Tomato Juice	Roast Lamb	Pretzels
Mashed Potatoes		Peas
	Buttered Ground Carrots	
	Marshmallow, Cabbage, and Pineapple Salad	
	Cream Filled Layer Cake with Mocha Frosting	
	Coffee	

After dinner, the guests went to the assembly hall for the entertainment that followed.

Credit must go to Mrs. Butman, Miss Emerson, Miss McJunkin and Miss Melanson for making the Poultrymen's Association Dinner a success.

The following are the names of the girls who volunteered their services. Elsie Robertson, Faith Kenney, Beverly; Charlotte and Constance Kruschwitz, Claire Gillespie, North Andover; Evelyn Hall, Andover; Mary Louise Hill, Marguerite Hanly, Martha Madore, Salem; Dorothy Rowbottom, Danvers; Eliza Hebb, Boxford; Margaret Moroney, Gloria Kennedy, Kathleen Dabrio, Peabody; Lillian Drapeau, Lowell; Marion Noyes, Newbury; Gertrude Barney, Rowley; Margaret Purcell, May Duckett, Lorena Loeffler, Lawrence; Carol Wendell, Middleton; Doris Donze, Methuen.

Lorena Loeffler
Margaret Colby

SENIOR DAIRY TRIP

The Advanced Dairy Class took its annual fall field trip the other day. We visited a small Brown Swiss herd in Hampton Falls, New Hampshire, and then continued on to the Baker Farm in Exeter. Here we saw one of the best Holstein breeding establishments of the east. In the afternoon we visited the dairy and animal husbandry divisions of the University of New Hampshire. Seventeen students under the leadership of Instructors Eastwood and Gallant went on this educational trip.

Ralph Reynolds

ECHO CLUB INSTALLATION

The Echo Club installation was held on October 10. The retiring president was not able to be present at the installation of the new officers, so Reina Gumb, lit the candle for the new president, Dorothy Rowbottom.

The presiding vice president Elaine Kennedy, lit the candle of the new vice president, Doris Donze.

The treasurer was not able to be present at the meeting so Phyllis Cook, a last year's Senior took her place and lit the candle of the new treasurer, Margaret Purcell.

The retiring secretary, Dorothy Rowbottom lit the candle of the new secretary, Carolyn Archambault.

The new president read the pledge and everyone repeated it after her.

Then Mrs. Dunn played for the closing number, the school song.

Marguerite Hanly

FIRST JOINT ASSEMBLY

The Homemaking Department and the Agricultural Department had their first joint assembly of this year on October 9. Director Mostrom welcomed the student body. He introduced a very interesting speaker, Mr. Richard Crosby, who is a native of Danvers. He spoke of his travels through Syria and told of his many interesting and funny experiences.

Dorothy Bick
Mary Louise Hill

SENIOR CLASS ELECTS OFFICERS

The Class of 1942 met recently and elected the following officers for the coming year: President, Eugene Burr, Beverly; Vice President, Helen Small, Danvers; Secretary, Doris Donze, Methuen; Treasurer, Ralph Reynolds, Beverly; Assistant Treasurer, Constance Kruschwitz, North Andover; F. F. A. Representative, Robert Anderson, Gloucester.

The Class Advisors are Miss Bessie McDunkin, Mrs. Myrtle Dunn; Instructors, John Miltimore and George A. Meigs.

Robert E. Bertram

CHRISTMAS DECORATION SHOW

The Annual Christmas Decoration Show sponsored by the Floriculture Club of the F. F. A. will be held at the School, December 12, 13, 14. The Show will open to the public Friday afternoon December 12, and in the evening there will be an entertainment to which the public is cordially invited. At this time there will be an opportunity to purchase your Christmas decorations such as wreaths, swags, table pieces, etc. There will be corsages on sale too.

Raymond Barlow has been elected Manager of the Show, Robert Bertram, assistant manager; and the following chairmen of the various committees: Thomas Blanchette, Sales Committee; Ansel Clark, Entertainment; Gilbert Fournier, Staging; Beverly Sawyer, Program; James Furey, Materials; Friscilla Glines, Chief Clerk.

INSPECT YOUR BEES NOW!

The extreme dry weather since early July has compelled the Bees in most instances to use the stores which ordinarily would not be until winter time so that a quick estimate of the amount of stores should be made and if necessary the Bee should be given a sugar syrup made by dissolving 2 parts sugar in 1 part water, using 1 teaspoon of Tartaric acid to each 20 lbs. sugar. **Do Not Scorch.** Bring water to boil, take off, dissolve sugar in hot water, add Tartaric Acid, place back on fire, bring to boil again.

The sooner this is done the better for the Bees. About 60 lbs. of stores will take the hive of Bees through to next May.

Protection from driving winter rains and insulation of hive to prevent loss of heat are necessary provisions for successful wintering. A temporary and fairly effective wind break may be made by erecting a high board fence on the windward side of the apiary. A space between boards of 2 inches should be allowed. Insulation of the hive itself may be provided by using packing boxes of most any description. About a 6 inch dead air space around the hive inside the box. Another way of providing insulation is using a tough grade of asphalt filled slaters felt. It should be fastened to bottom board or hive stand below the hive with lath; allowance made for several inches of dry material like fine straw, chaff, or shavings between it and the sides, top and bottom of the hive. About 4 inches on the bottom; 6-8 on sides; and 8-10 on top.

George A. Meigs
Instructor in Beekeeping

WOMEN'S ADVISORY COUNCIL

A meeting of the Woman's Advisory Council will be held at the Essex County Agricultural School on Wednesday, November 26, 1941 - 10:30 a. m. to 3:30 p. m. At this time programs for the winter and spring of 1942 will be discussed with the members by Mrs. Annette T. Herr, State Home Demonstration Leader. Plans will be made for a music festival to be held on Better Homes Day. Miss Ruth McIntire, Extension Specialist in Recreation, of Massachusetts State College, will be present at this meeting and will assist in planning for music festival. Lunch will be served at noon by the girls in the homemaking school, under the direction of Miss Ruth Emerson, Foods Instructor.

Katherine M. Lawler
Mary M. McIntire

HEALTH SLOGAN

This year's health topic is "I pledge my Health to Better Living". Following the national trend toward better nutrition, 4-H club members will more consciously try their best to live up to good health rules.

CHRISTMAS GREENS MEETING

The Christmas season is a happy one and appropriate decorations help in radiating the desired spirit. Evergreen material, gayly decorated has become one of the standard means of radiating cheer during the Christmas holidays. Many people are interested in making wreaths and other types of decoration which may be made from their own garden material or from evergreen material which has been obtained locally.

Two Christmas Greens meetings are being planned for Essex County: Monday November 17, North Andover, Grange Hall; Tuesday November 18, Newbury in Parker Hall. These meetings will be from 10:30 A.M. to 3:00 P. M.

At each meeting Arnold M. Davis, Assistant Extension Horticulturalist will demonstrate to the group during the morning session the making of Christmas wreaths, sprays and table decorations, place card holders, mantle piece decorations and corsages. In the afternoon Mr. Davis will assist the members of the group who wish to make their own decorations.

The meetings are open to anyone who is interested and those who plan to work will bring some greens with which to work. Some of the greens which may be used are Laurel, white pine, hemlock, juniper and red cedar as well as red berries and pine cones for decorations.

Katherine M. Lawler
Mary M. McIntire

ALL-OUT FARM EFFORT

Plans are underway to produce enough food in America to feed the starving nations. Food is a part of the national defense program.

All agricultural agencies, both governmental and private are being welded into one great cooperative unit for producing various foods and supplies to carry out our national program 100 percent.

At the present time here in Essex County local canvassers are making a survey of all county farms listing the acreage of crops and production during 1941 and to secure the intended production for 1942.

An all day school of instruction was held at the Essex County Agricultural School on October 31 when about 50 men and women heard Frederick E. Cole, Representative of the Bureau of Economics and Raymond F. Pelisser, Administrative Assistant of the AAA explain the work of the survey, and the practices for 1942.

The County Defense Board under whose sponsorship the survey is being made during November is Harry L. Cole, chairman from West Boxford, representing the AAA; Francis C. Smith, County Agent; representing the Extension Service; Archer Pierce, Peabody, Farm Credit Administration; Cloyes T. Gleason, Lowell, of the Farm Security Administration, and Frank S. Fuller, U. S. Forest Service, Boston.

GARDEN CHAT

Have you cleaned up your garden weeds and old tomato vines yet? The stalks of these more succulent weeds and plants make excellent homes for various beetles, borers and larvae to live in during the winter months. We as humans seek shelter from storms, and wind and it is just as natural for these insects to seek shelter during the cold stormy months ahead, so they work their way into these stalks. Why not help to eliminate these by pulling up all refuse in the garden and along stone walls etc., and start a compost pile. All this vegetative material when piled up rots down through the action of bacteria and thereby destroys these insects that have harbored away in these stalks. Some growers apply layers of lime with the vegetative material to aid in the decomposing of the pile. After this compost material has decayed there is nothing better for the top dressing of lawns and adding to light garden soils. The fall leaves on the ground should be raked up and placed in this pile instead of burning them.

How are the vegetables keeping that you placed in the storage cellar this Fall? Have you placed squash in the same part of the cellar as your potatoes and carrots? Squash and onions require a cool, fairly dry storage while potatoes, cabbage, carrots and the other roots require cool, damp conditions. Don't put your potatoes etc., near the heater in the cellar. They should be placed as far away from the heater as possible and if in piles on the cellar floor should have moist burlap bags or sand over the top of the pile to prevent drying. Squash keeps well in the attic near the chimney. There are three important factors to keep in mind for good storage: temperature, ventilation and humidity. A desirable temperature for good storage would be around 38°F. Until it becomes too cool out, the ventilators to the storage cellar should be kept open at night and during the day kept closed. Later on when the temperature goes below 20°F at night, the reverse procedure should be followed.

C. M. Stearns

CANDIDATES FOR GRADUATION

(Continued from page 1, col. 3)

Livingston, Bernice Marsland, Evelyn McCann, June Porst; Middleton: William Hector, Alden Moreland, Joseph Scouller, Edna Hughes; Newbury: Henry Britton, Leon Dupuis, Thomas Leahy, Lillian Kilgour; Newburyport: John Cokery; North Andover: Isabelle Rabs, Mary Carey; Peabody: T. Preston Lee, Dorothy Bozek, Marjorie Hollingsworth, Marion Leach, Ann McGann, Margaret Morrissey, Pauline Roy; Salem: Warren Brown, Donald Martin, Thomas Owens, Christine Brunn, Arlene Crossman, Theresa Lambert; Saugus: George Banks, Lois Rand; Topsfield: Wallace Kneeland; Wenham: Edmund Richard.



4-H Club Notes



12th ANNUAL LEADERS MEETING

The 12th annual meeting of the Essex County Leaders' Association will be held at the Agricultural School on Friday, November 14. All 4-H club leaders automatically become members of the association. In the afternoon, there will be a discussion of clubs, projects, and plans for the coming season; discussion of individual problems; exhibit of articles made by 4-H members. Either Miss Forbes or Miss Bishop, Assistant State Club Leaders, will be present. A free supper will be served through the courtesy of the Agricultural School. In the evening there will be the annual election of officers and a program of interest to everyone. More details, and a return card for the supper, will be sent to each leader.

A NEW YEAR FOR 4-H CLUB WORK

Organization time is here again, and many 4-H groups have already started their club work for a new season. Have you?

A new year always brings new hopes and new plans. Look ahead a bit, think of what you would like to accomplish, and plan a definite program of 4-H activities with your club members.

The most popular winter projects are clothing, foods, and home furnishings, and there are many interesting programs to follow from beginners right through to advanced members. In a clothing club, once you have learned to sew, you can make part or all of your clothes, also make gifts for your family and friends (Christmas will soon be here, you know). In home furnishings, you could redecorate your room or make some articles for the home. As a food club member you can try out those favorite recipes, learn to plan and prepare whole meals or how to be a "hostess".

Older 4-H members like to plan a more advanced type of program, involving discussions and guest speakers. Consider such topics as "The 4-H Girl Makes Her Debut", "The Art of Being Well Dressed", and others. There are prepared outlines available at the county office.

Club work isn't all work, you know. When you get together with your fellow members, you will include singing and recreation as part of the meetings. Remember that during the year there will be community or county wide get togethers, exhibits, contests, and trips to look forward to. Join now!

OUTSTANDING 4-H GARDENS IN ESSEX COUNTY

During the summer 4-H gardeners in each town countywide were competing for prizes. Outstanding gardens were selected in each town and these in turn competed for the county prizes.

The County prize winners were: First, Hollis Howard, Amesbury; Second: James Cunningham, North Andover. These two boys will receive beautiful bronze medals awarded by the Massachusetts Horticultural Society.

Outstanding gardens by towns were: **North Andover:** James Cunningham, Gail Kleiner; **Saugus:** Boyd Berrett, Robert Mitchell; **Haverhill:** Eugene Lavanga; **Georgetown:** Stanley Tidd; **Amesbury:** Hollis Howard, Roland Blake Jr.; **Groveland:** Robert Vigard, Harlan Vigard, Carl Marchisco; **Rowley:** Winfield Chapman, Carl Good; **Danvers:** Charles Moore, Elmer Dexter; **Andover:** Lois Rollins, Edith Anderson, Ernest Seymour; **East Boxford:** James W. Chadwick Jr.; **West Boxford:** Dwight and Chester Killam; **Methuen:** Donald Lambert; **Wenham:** John Leyendecker.

STATE 4-H BOYS' DAY

On Saturday October 4, 4-H boys from every county in the state journeyed to Mass. State College to compete in the 4-H Boys' Day Contests. There were contests for every major boy's project. Around 100 boys were present.

Essex County had a winning team in the Garden project. The boys competing were: James DeAdder, James Cunningham and William Hayman, all of Andover.

The garden club in North Andover was led by Doris Albrecht. By their good work the boys brought home a silver plate, which is engraved annually with the names of the winning team. This is the first year that this award has gone to an Eastern County.

4-H BOYS' CLUBS

Do you have a 4-H Boys' Club in your town? If not do you know of an older person interested in boys having an interest in any one of these projects: poultry, dairy, conservation, garden, handicraft, or electricity? Boys' clubs can be started immediately if you can help locate a local leader.

I shall be very glad to contact suggested leaders and help you to get a boys' club in your town if you will send me the necessary names, addresses and interests of the leaders.

Lets have more boys clubs in 1941 and 42.

Byron Colby
County Club Agent

THE 4-H KNITTER

During the past few years there has been an increasing interest in knitting by girls in 4-H work. So Miss Marion Forbes, Assistant State Club Leader, has outlined a program which a clothing club may follow as the project for the year.

A. Achievement Requirements

1. Select a or b for program of work.

a. Beginners

Learn to knit, purl, cast on, bind off, increase and decrease stitches. Make two articles on two straight needles. Learn to wash, and mend mittens, socks or sweater.

b. Advanced Knitters

1. Make two articles selected from this list: sweater, mittens, cap, scarf or ankle socks - or Make a school or sport suit or dress. Learn how a knitted suit or garment is blocked.

2. Give a talk or demonstration.

3. Take an active part in the 4-H Health program.

4. Choose some home service.

B. Exhibit

1. Model or exhibit knitted articles so as to show use.

2. Exhibit your 4-H clothing record.

ALL STARS

On Saturday and Sunday October 18 and 19 the Massachusetts All Stars had a meeting at Mt. Hood Reservation in Melrose. Thirty nine new members from different counties in Massachusetts were initiated. Around 75 persons attended the meeting which was among the first meetings to be held in the Eastern Section of Massachusetts. Paul Corson of Saugus was chairman of the committee handling the meeting.

The All Stars is an honorary 4-H organization made up of older boys and girls in club work who have excelled in their county.

Several State 4-H leaders were present. The Director of the Extension Service Willard Munson was also present. Saturday night after the initiation ceremony, square dancing was enjoyed by all.

Sunday, a very impressive memorial service was held in memory of "Uncle" George Farley. Late in the afternoon a group journeyed to Lynn and placed flowers on "Uncle" George's grave.

The weather and scenery favored all at this meeting. The program and events will live long in the memory of the Massachusetts All Stars.

ESSEX FARMER AND HOMEMAKER

VOL. 23 HATHORNE, MASS. DECEMBER, 1941 NO. 12
Entered as a second-class matter, May 28, 1919, at the Post Office at Hathorne, Mass., under the Acts of August 24, 1912.

A.V.A. Welcome to Boston and Essex County A.V.A.

Welcome

It is a great event to have the American Vocational Association holding its convention in Boston Dec. 9-13. It is one of those "once in a lifetime" events. All vocational teachers, including agriculture and homemaking, are looking forward to these meetings with the keenest interest.

Mr. Robert O. Small, so well known to Essex County folks as the head of Vocational Education in Massachusetts, is a former President of the organization. We appreciate the honor done to him as well as Massachusetts and Essex County in having the convention come to Boston.

We trust that all visiting delegates and guests who are especially interested in the county type of agricultural and homemaking schools will find time to visit us. The School will maintain "Open House" for these guests on Thursday, December 11.

Harold A. Mostrom
Director

ALUMNI ELECT

The Alumni held their annual meeting and election of officers on the Sunday afternoon preceding Graduation. Francis Gillen of Lawrence was elected to the executive board to fill a vacancy. The other officers of the Association were re-elected: President, Joseph Cassano, Wakefield; Elvira Broughton, Peabody; Howard Wilson, Beverly, Vice Presidents; Eric Bergstrom, Salem, Secretary-Treasurer.

On graduation night nearly 200 sat down to the annual banquet, after which members of the first class to graduate were recognized. There were ten present. William Abbott who received the first diploma from the school, presented to the school this diploma, which will be hung in an appropriate place.

Nearly 300 enjoyed the dancing during the evening.

Christmas 1941

This year there are others to remember besides our family, the aged, shut-ins, and little children. They are our men and boys stationed in far away places, in the air, under the water, on land and sea. We do not have to be concerned about their three meals per day for the following are menus served in different camps and you will notice the vitamins, minerals and all other necessary materials are provided to make and keep perfect bodies.

A Breakfast Sixth Area

Assorted Eggs	Grapefruit Cereals	Fresh Milk
Butter	Bacon	Toast
	Coffee	Sugar

A Dinner Ninth Area

Barley Soup	Croutons
Roast Lamb	Brown Gravy
Potatoes	Bread and Butter
Bavarian Cabbage	Sliced Tomatoes
Tapioca Fruit Pudding	Tea

Supper Ninth Area

Hamburger Steak	Onion Gravy
Potatoes	Scalloped Tomatoes
	Cinnamon Buns
Cocoa	Bread and Butter

Although these meals provide nourishment for our boys, they miss the home-like things such as cookies, brownies, certain cakes and candies. The following is a recipe for cookies which will be popular not only with uniformed men and boys but also for those at home.

Best Cookies Out

1 cup molasses	1 cup fat
1 cup sugar	2 tsp. soda
½ cup coffee	½ tsp. ginger
5 ½ cups flour	½ tsp. cloves, ground
	1 teaspoon cinnamon

Cream fat and sugar, add molasses, add sifted flour, dry ingredients alternately with coffee. Roll, cut in desired shapes. Bake in moderate oven.

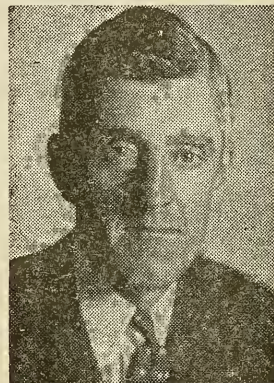
Harriet M. Butman
Instructor in Foods

CHRISTMAS DECORATION SHOW

The Christmas Decoration Show sponsored by the F. F. A. Floriculture Club will be open to the public Thursday, Dec. 11, 2-5 p.m. Friday, Dec. 12, 2-5, 7-10 p.m. at 8 p.m., there will be an entertainment to which the public is cordially invited. On Dec. 13 and 14, Saturday and Sunday the Show will be open from 2-5 p.m.

Governor Speaks at Joint Assembly

The students were thrilled and excited to have His Excellency, Governor Leverett Saltonstall, speak at their Joint Assembly on Friday, November



28. It was a great pleasure for these students to both see and hear the governor of their state.

The Senior B Division of the Homemaking Department served the luncheon to the visiting members at which Rita Hitchcock of Danvers and Bette Kirwin of Peabody were waitresses.

Following this luncheon the Governor spoke at the Joint Assembly. Mr. Mostrom, Director of the School opened the Assembly and introduced Mr. Robert O. Small, who is in charge of Vocational Education in Massachusetts. Mr. Small said he was personally proud of the school having seen it grow from the very beginning.

Edward Lynch, president of the Future Farmers of America presided at a short meeting of the F. F. A. while they acted upon some very important matters of business. Among them was a motion made by the Treasurer that the Governor be made an Honorary member of the Essex Chapter with the degree of County Farmer. The vote was unanimous and a membership card given to the Governor. The Chapter also voted to purchase a \$100 Defense Bond.

The Governor in his talk to the students spoke of some of the problems

(Continued on page 3, col. 3)

Essex Farmer and Homemaker

HATHORNE, MASS.

Published monthly by the Trustees of
the Essex County Agricultural School

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NUTRITION

As a result of the National Nutrition Conference held in Washington a State Nutrition Committee has organized with Miss May E. Foley, Extension Nutritionist of Mass. State College as chairman. The County Nutrition Committee has been organized in each county in the state of Massachusetts. The officers of the Essex County Nutrition Committee are: Francis C. Smith, County Agricultural Agent, Chairman; and Miss Anna E. Kepler, Supervisor of Public Health Nurses, Secretary. Executive Committee, Miss Marion Parker, Beverly and Miss Katherine O'Brien of Worcester, Dr. Mary Lakeman of Swampscott, Willard Kelly of Merrimac, Roy Keller of Manchester, and Miss Katherine M. Lawler of Hathorne. The purpose of the committee is to further nutritional teaching in the county.

A meeting for public health nurses and one for home economics teachers and lunch room managers, and a joint meeting of both groups was arranged with Miss May E. Foley, Extension Nutritionist, of Massachusetts State College. 80 Public Health Nurses and Home Economics Teachers attended the meetings.

Two nutrition films were shown to the group, "Proof of the Pudding" which was obtained from the Metropolitan Life Insurance Co., New York City and "For Health and Happiness" from the United States Department of Agriculture. Washington, D. C.

A 4-Day Refresher Course for home economics trained homemakers will be given at the Essex County Agricultural School on the following dates: January 15 and 29, and February 12 and 26, 1942. This program is being planned to bring Home Economics trained homemakers up to date on nutrition. The meetings are open to homemakers who have received a bachelor's degree in Home Economics.

The following communities are carrying nutrition programs at the present time; West Haverhill, West Newbury, Marblehead, Byfield, Swampscott, and Ballardvale. The meetings in these towns are open to any women who are interested in nutrition. Similar meetings will be conducted in other towns in the county upon request. Further information may be obtained from Miss Katherine M. Lawler, County Home Demonstration Agent, Essex County Agricultural School.

County Rural Policy Committee
Harry Cole, Chairman
West Boxford

Women's Advisory Council
Mrs. Arthur Olson, Chairman
109 School St., Manchester

4-H Leaders Association
Mrs. Leon B. Jordan, President
8 Garrison Street, Groveland
Agricultural Conservation Program
Edward C. Martin, County
Administrative Asst.

A CHRISTMAS CHAT

My Christmas decorations are planned and very soon they will be a reality. The front door seems to be the center of interest outside the house and this year I shall have on either side of the entrance a tall candle, made by cutting in two the heavy cardboard roll which comes inside a rug when it is sent home from the store. Each candle has as its base a heavy square of wood with a curved piece of metal to represent the handle of the candlestick. These are painted black. The candle which stands four and one half feet high is painted red and up through the centre of each runs the wiring for the electric bulb at the top.

On the door itself I will hang a wall basket made of plywood and painted red. I bought this at a gift shop last summer, but it could easily be made in almost any home, by anyone handy with a saw. If I had not had this basket I would have made one of cardboard and covered it with red oilcloth, and so had equally as good effect.

In my basket I will arrange Christmas greens, and pine cones. In the daytime the bright splashes of red will look very gay, but the real beauty will come at night when the candles are lighted.

I have stuck to conventional Christmas trees so long that this year I will try something different, and will have a bird Christmas tree. The tree will be loaded with shiny icicles and lighted in the usual way, and I will have birds cut from red poster paper to be among the branches. I will cut each bird in three pieces, the body and two wings. The body will be about six inches long and the wings four inches. The wings will be pasted to the body and then bent down as though the birds were flying. Loops of red yarn put through each bird will allow them to swing from the tips of the branches. I hope the effect will equal my expectations.

A Christmas Candle Salad will be my last attempt at something "different" for Christmas, and I will serve it as part of the menu on Christmas night. I shall cook together 1 cup each of sugar, water and red cinnamon candles over a low flame until the candies are dissolved. Into this I will put six pared and cored apples covering and cooking until tender but not broken. Then I will remove them carefully from the syrup and set away to chill before filling with cottage cheese. I will serve them on a lettuce leaf on a green salad plate and set them at each place and light a birthday candle, which will be stuck in the top of each, just before my guests sit down at the table.

Abbie L. Clapp

RADIO

Over WLAW 11 A. M.

Dec. 15 Christmas Books
Dec. 22 Christmas Carols
Dec. 29 Care of Christmas Plants
Jan. 5 Extension Homemaking Programs for 1942.

SUPPLEMENT

ESSEX FARMER AND HOMEMAKER

SCHOOL NOTES

DECEMBER, 1941

SEARS ROEBUCK PRIZES TO F. F. A.

Special prizes for excellence in vocational activities are to be awarded annually to the Essex Chapter of the F.F.A. through the courtesy of the Salem Branch of the Sears Roebuck Co., and Mr. Albert Miller, Manager. Awards to the equivalent of \$50 will be so distributed as to promote interest and enthusiasm in the following five activities.

Annual Science Exposition held in November, trophy medals to the three students who have best exemplified "Scientific Attitude and Method" during the foregoing project placement period. These went to Richard Brown of Swampscott, Christos Mpelkas, Lynn and Ralph Reynolds of Beverly.

Dressed Poultry and Egg Exhibition held each November, prizes to be Book awards a total value of \$10. These prize winners will be announced in a later issue of this paper.

Livestock Show to be held December 16, awards to go to Premier Showman, Junior Showman and Showman.

Christmas Decoration Show, books as selected by the winners will be awarded to the three exhibitors who win the greatest number of points for excellence.

Public Speaking contests are held in February and prizes shall be awarded only for original compositions. Contestants must observe all rules set up for governing the F.F.A. public speaking contests.

ARMISTICE DAY PROGRAM

On November 10, the Homemaking Department paid tribute to Armistice Day. The presiding officer was Helen Pettingill. The entire assembly saluted the Flag and the National Anthem was sung.

The invocation was read by Constance Kirschwitz which was followed by the Lord's Prayer and "The American Hymn". "An American Officer's Letter" in part was read by Martha Madore. This was followed by Edith Nichols reciting "In Flander's Fields" by John McCrae.

A very interesting article was read by Helen Pettingill entitled "I Choose the Unknown Soldier" by Sergeant Edward F. Younger.

Margaret Maroney recited "America's Reply".

The favorite song "God Bless America" was sung by the whole assembly bringing to a close an impressive program.

The Program committee was as follows: Helen Pettingill, Eliza Hebb, Eleanor Duffy, Martha Madore, Ruth Hurrell was our accompanist.

Margaret Colby

SEVEN YOUNG PEOPLE AWARDED PRIZES AT GRADUATION

Reina Gumb of Methuen and Howard Bacon of Lynn were awarded the Abraham Krasker medals for outstanding work in English during their course at Essex County Agricultural School. Muriel Pontius of Lynn and Harold Jones of Danvers were awarded the Balfour medals given for scholarship, loyalty and achievement; Christine Brunn of Salem and Ralph Wilkins of Beverly were awarded the Alumni prize given for the greatest improvement in academic work while attending Essex Aggie; George Banks of Saugus was awarded the Roger Wheaton prize which is given every year in memory of Roger Wheaton ex-1936.

Reina Gumb and Lila Bullock both of Methuen were the two graduation speakers from the Homemaking department. Miss Gumb spoke on "Challenging Opportunities" this dealt with some of her experiences this summer at the International Girl Scout Camp in Springfield, Mass., where she was assistant to the dietitian.

Lila Bullock took for her subject "The Why of a Tearoom" she is employed as salad girl at Fieldstones in Andover, "the why of a tea room is its kitchen".

Five young men had the parts representing the Agricultural department, theirs was in the form of a radio broadcast with the subject "Our Project 1941", these young men were Harold Jones, E. Peter Venti of Danvers, Ralph Wilkins of Beverly, Forrest Reynolds, Amesbury and Henry Britton of Byfield.

AT HOME

The first opportunity that the mothers of the girls in the Homemaking Department had to visit the Homemaking Department this year and see how the work is carried on, was at the "At Home Tea". This was held November 7, from two until four o'clock. Mothers and their friends were introduced to the different teachers, who explained the course of study and the work the students are required to do. At this tea there were approximately 50 guests.

The entire freshman class assisted the seniors in serving the sandwiches. On the plates were a variety of sandwiches. They were: Peanut butter and banana; Egg, Olive, Apricot and nut; Open Cream cheese. There were cakes and cookies, the seniors made these. The beverage served was tea, Ada Fothergill and Helen Small served tea.

Marjorie Pierce

HIGH HONORS FOR E. A. BOYS

Last month Essex Aggie judging teams went to Mass. State College to compete in the various judging events. They brought back to Essex Aggie three of the six cups given: Milk judging; Ornamental Horticulture cup; and the Fruit judging cup. The seven medals were awarded to: Milk judging first place Robert Smith, Lawrence; third place to William Hawkes of Marblehead; Ornamental Horticulture first place to Priscilla Glines, Andover; third place to James Furey of Salem; Fruit judging first place to Edward Lynch, Lawrence; third individual place to Richard Brown of Swampscott and he also placed second in the vegetable judging.

Edward Lynch of Lawrence was elected second vice president and Ralph Reynolds of Beverly elected treasurer of the State Future Farmers of America.

Victor LaBranche, Haverhill; Edward Lynch, Lawrence, Ralph Reynolds of Beverly; and Robert Anderson of Gloucester were given their Bay State Farmer degrees.

M. R. T.

JUNIOR HANDICRAFT

The Junior girls under the supervision of Miss Helen Melanson, apprentice teacher, and Miss Margaret Harris are now making very interesting articles in Handicraft.

At the beginning of the year they worked with amberol. Working from original designs, the girls made such things as paper cutters and a variety of pins.

For Home Project they made more difficult articles as rings and bracelets.

The second project was the making of wooden bracelets. The girls learned to use the electric needle to fill in the design. The bracelets are just as attractive as commercial ones that are on display in many stores.

The girls are now making leather key cases and billfolds for themselves or for Christmas gifts. They are putting on their initials or a design they have made. Besides learning to weave with leather the girls are learning to tool in their designs.

After Christmas they will make suspenders, belts, gloves and novelties such as hats, skates, and other articles of felt.

They will also make jewelry from articles of nature such including acorns, pine cones and cork.

The girls will end this work by making luncheon sets and table mats from Clearophane and have an opportunity to make things from glazed tile.

Grace A. Marshall

NUTRITION FOR DEFENSE

On November 12, Miss Katherine M. Lawler of the Women's Division of the Extension Department spoke to the girls in assembly, on the connection between nutrition and defense. She told the girls that by improving the health of our families through a balanced diet we would be doing our part in national defense, because a successful defense campaign starts in the home.

On the assembly platform were two identically marked boards with the names of daily food requirements. These were Vitamins A, B, C, D and G, protein, phosphorus, calcium, iron and calories.

Miss Lawler made up a model menu for breakfast, dinner and supper and pinned on the board strips of felt in the colors which designated each food.

These strips were pinned in all the columns where the food requirement which the food supplied was found. The strips varied in length according to the amount of calories or amount of food content.

On the other board were placed strips belonging to a menu that was not properly balanced, so that a comparison might be made.

The comparison of the two boards was startling. Though the two menus were equal in the amount of food, yet they were not equal from a nutritional viewpoint. The first was properly balanced and supplied the necessary daily requirements while the other did not do this.

Miss Lawler gave us interesting facts to use in cooking and preparing foods. Our meeting with her was exceedingly interesting and educational and made our study of nutrition more interesting. She concluded her talk with the statement, "Do your part in nutrition and you will be helping the defense program".

Lorena Loeffler
Eleanor Duffy

HOMEMAKING HONOR ROLL

The first marking period has come to a close with the High School Division leading in the number of Honor Roll members. They are Margaret Colby, Haverhill; Helen Gadbois, Danvers; Constance Kruschwitz, North Andover; Margaret Maroney, Peabody; Edith Nichols, Salem; Marion Noyes, Newbury; Helen Pettingill, Danvers; Marjorie Pierce, Salisbury; and Agatha Stravinsky, Methuen.

Senior Division: Elaine Kennedy, Danvers.

Junior Division: Carolyn Archambault, Methuen; Marion Chapman, Saugus and Leona Fregeau, Marblehead.

Freshmen Division: Constance Ormsby, Andover and Doris Spurr, Methuen.
Rita Hitchcock

CANDIES FOR CHRISTMAS

Lessons on candies are now being demonstrated and made in the Junior classes under the supervision of Mrs. Butman, their foods teacher. The lessons are given to show the different stages of sugar cookery. Other classes are having candy lessons, also, as they meet their teachers.

Now that Christmas is so near, it is nice to have some good recipes on hand.

Velvet Molasses Kisses

1/2 cup molasses
1 1/2 cup sugar
1/2 cup water
1/4 teaspoon soda
1 1/2 tablespoon vinegar
1/4 teaspoon cream of tartar
4 tablespoons butter

Put molasses, sugar, water and vinegar into saucepan or iron kettle, stir until it boils, and add cream of tartar. Boil to 256°F., or until mixture becomes brittle when tried in cold water. Stir constantly during the last part of cooking.

Pour on slightly buttered marble slab or agate tray, and when cool pull until light colored. While pulling flavor with one teaspoon of lemon extract, or a few drops of oil of peppermint or wintergreen. Cut in pieces with scissors and wrap in waxed paper. One half cup of Karo may be used in place of cream of tartar and resulting kisses will keep better.

Penuche

2 tablepoons butter
2 cups brown sugar
1 cup white sugar
1 cup thin cream
1 teaspoon vanilla
few grains soda
1/4 teaspoon salt
1 cup coarsely chopped nut meats

Melt butter, add sugars, cream and soda. Stir until sugar is dissolved, bring to boiling pint and boil to 240°F., or until candy will form a firm ball when tried in cold water. Stir occasionally to prevent burning. Remove from fire and pour on a marble slab sprinkled with cold water. When cool add salt and vanilla and work with a spatula until creamy as for fondant. When firm knead in nut meats and place between bars or in pans and when cold cut in squares.

For Cocoanut Penuche use 3/4 cup shredded cocoanut in place of nut meats.

Virginia Ayles

ECHO CLUB ACTIVITIES

The Echo Club has a very active, busy program. On Thursday, Nov. 27, they presented a movie entitled "Around Cape Ann", which was enjoyed by the Homemaking Department.

On December 19, the girls will be hostesses to the boys at the Christmas party. For entertainment they hope to have the Bell Ringers of Beverly.

Dancing will follow the entertainment.
Dorothy Bick

HOMEMAKING OR AGRICULTURE

When I entered Essex Aggie as a student in the Homemaking Department in 1940 I was very happy. I liked the teachers, enjoyed the work, and felt I was getting an education that would be useful to me every day of my life, I still feel that way. When studying or attending classes I gazed longingly at the outdoor activities carried on by the students from the Agricultural Department, and often thought I had made a mistake in not enrolling in that department. I have always been an outdoor girl and liked animals and all growing things. So at long last I am a farmerette. Instead of watching the activities, I am taking part in them. Many times when trying to make a decent pie or when the bread wouldn't raise (because I put boiling water on the yeast) I thought there wasn't any art in plowing or picking apples that must be just too easy to do. Now I have plowed and picked apples, harvested, etc., there has been a few times when making a pie seemed easy and no work at all.

I am very happy to be an F.F.A. member. The things I am learning are not only interesting but will be useful all my life as well as fitting me to earn an honest living. While I am learning all these things with the help of our efficient and kindly instructors, I am in the open air enjoying the wonderful view from our campus and fields and breathing the pine scented breezes from over the hill.

When I compare our lives today with the lives of young people and students in other countries I can truly thank God that I am an American and an Agricultural Student at Essex Aggie.

Mary Elizabeth Carey

SENIOR FOODS SERVICE

For the past few weeks the senior girls have been practicing a new phase of foods work. Instead of the cafeteria service usually carried out in the faculty dining room, the girls have acted as waitresses and served the lunches.

As a slight deviation from serving the faculty, the girls have served a number of special groups of visitors at the school. Among the groups served were the County Board of Trade, The Women's Advisory Council, The Personnel Board, and the Exhibit Committee of the A. V. A. Convention. Probably the most anticipated group to be served was Governor Leverett Saltonstall and his staff. The girls who acted as waitresses felt very fortunate in having the honor of serving his Excellency during the governor's first visit to the school. The menu served that day was

Tomato Juice	Canapes
Fried Filet of Flounders,	Tartar Sauce
Mashed Potatoes	
Shredded Carrot	Green Salad
Nut Bread	
Indian Pudding	Ice Cream
	Rita Hitchcock

GARDEN CHAT

Vegetable gardening is taught as a major subject to all students at the Essex County Agricultural School during the first year of their training in vocational agriculture. Sixty to ninety boys receive first hand information in the growing of vegetables each year. Even though they may never plant any vegetables in later years they are at least learning something about the growing of vegetables and should have a better realization of a part of their own food requirements and a better appreciation of the problems and difficulties that confront the vegetable grower.

The practical sides of the Agricultural subjects taught at the School are emphasized, as Vocational Education is "Learning by Doing". Much of the Fall work in vegetable gardening is devoted to experiences in the harvesting of the various crops, storage of crops, fall plowing, sowing of cover crops, making and turning over compost piles, going to market with loads of produce that they have put up at the school garden, and as many more of the various practices found on a market garden that can be worked in. During the winter months the students plan a half acre home garden or one that they are planning to follow through during the following summer. It might be even a plan of several acres. This garden plan includes a selection of varieties of the vegetables that they plan to grow, planting dates, distances, amount of seed, plant food requirements, diseases and insects along with their controls, yields and returns and other information that they think will be of interest and help to them for the carrying out of their project the following summer. They also make a budget for this plan showing what should be realized as a margin of profit under normal conditions.

The next term of their course is spent mostly on practical instruction of mat making, sowing of seed, transplanting, operation of hot beds and cold frames, spring plowing and preparation of land, mixing of fertilizers, etc.

The administration prefers to have students have their project or summer work along the lines that the student's major or minor subject had been the previous six months, therefore many of our students have part time or full time work with vegetables for at least one year during their agricultural training.

Projects are of two types — ownership and substitute. An ownership project would be one large enough to meet the physical ability of the student — rarely less than ½ acre and as large as six or seven acres. This type of project would be carried out as planned during the winter months. A substitute project would be one where the student works for a market gardener. We like to encourage the employer to give the student as many different job opportunities as is possible and in exchange we encourage the student to do the best possible in return.

ATTENTION FARMERS!

Homer Peele, Regional Manager of the Farm Credit Administration has recently issued the following information to assist dairymen and farmers who may need funds now or later this fall and winter to purchase feed. He states that some may not be able to conveniently offer a first lien on their livestock, therefore the F.C.A. has been authorized to advance the 1942 loan program so that applications may be made now for a loan to finance next spring's farm program and permit the borrower to draw a portion of the loan now to buy the necessary feed to tide him over until next spring. The Field Supervisors have been instructed to give preferred attention to such requests.

The source of credit is now available throughout the year. The cost of this money to the farmer, the short time it takes to close a loan and the fact that repayment is gauged to fit his ability to pay are features no prudent farmer can overlook.

About the only restriction is that the maximum amount to one borrower may not exceed \$400 at any time during the calendar year. A man may borrow \$200 in January and repay by May of that year and then borrow \$200 more, and so on, throughout the year. This permits a man to borrow only what he needs and at the time he needs it. No one should be encouraged to borrow otherwise.

Although many on the "border line" and below it have borrowed from this fund in the past, the funds are not restricted to this or any other class. The record of repayments disproves the belief of some that this organization does not make loans.

We might borrow a phrase as an answer — "Ask the man who has one".

NOTES FOR DAIRYMEN

Three meetings have been arranged for Dairymen on the subject of Feeding of Dairy Cattle and How to meet the increasing feed costs. Dates of these meetings are December 8, 29 and January 9 in Extension Hall at Essex Aggie.

December 12 is annual meeting and banquet of the D. H. I. A. at Wheeler's. Prof. V. A. Rice, Head of the Division of Agriculture at the Mass. State College will be the guest speaker. Annual election of officers and applicants for the tester position will be interviewed by the directors. The present tester, Horace Wildes is resigning to finish his college course. Reservations should be made with William J. Abbott, Sec. of the association.

Breeding School with Prof. Rice conducting will be held beginning January 22 for five lessons on the subject of Science of Animal Breeding. Those dairymen interested in building up their herds by better breeding should write County Agent, Francis C. Smith, Hathorne, Mass. and enroll in this course.

Livestock Show: The students at Essex Aggie are to hold a Livestock Exposition at Bauer Field on December 10. This will be a fitting and showmanship exhibit.

Parker Grain Co., Danvers has given a Silver Loving Cup for Premier Showman. The Massachusetts Department of Agriculture will give gold, silver and bronze medallions for Junior Showman. The Sears Roebuck awards will go to the Showman class on a 5-3-2 basis these will be book awards.

Ribbons to the first three in the respective classes which will be cattle, horses, goats and swine.

GOVERNOR SPEAKS

(Continued from page 1, col. 3)

of today. He spoke of the fine luncheon he had in the Homemaking building and said that he knew that he had a well rounded luncheon and that the girls were learning how to run a home.

In speaking about agriculture the Governor said that he had learned a great deal the past few years as his oldest son is studying agriculture, and he feels that there is a real future for men in agriculture. Without a doubt it will be up to our country to feed the peoples of the other countries after this war is over.

In his remarks about the demonstration which the F.F.A. had just put on the Governor said that they were learning the essentials of good form of government. Good government begins at home.

A basket of apples was presented to the Governor by President Lynch as well as a dozen White American Eggs.

Following the departure of the Governor, Instructor Meigs showed some colored movies that Instructor Knowlton had taken recently of the Governor and Mrs. Saltonstall with a party of friends at their farm in Dover.

Eliza Hebb
Dorothy Bick

While the student is on project the instructor visits him at frequent intervals to instruct on the job and to render whatever assistance possible to the success of both the student and the employer. The student is also graded on the various types of work that he performs during the summer and these marks of proficiency are recorded on the students Life History folder at School. The student is required to keep observational records and accounts of time spent on the job and money earned. Students are also required to send in weekly reports of what they have been doing each week of their project training.

From the above course outline, these students receive a good general knowledge of the various problems that the vegetable grower faces and they are trained to grow a part of their own food requirements if they are interested in this line of agriculture.

C. M. Stearns



4-H Club Notes



4-H ACHIEVEMENT DAYS

A garden and forestry achievement program was held at the Andover Library on November 15 for the two summer 4-H Clubs in Andover. Mr. David Segerstrom of Ballardvale led a garden club. At the meeting he was recognized for his fine work and was awarded a 4-H pin for leadership. He in turn awarded pins to the 4-H boys who completed their project work in the garden club. The County Club Agent presented a ribbon to Ernest Seymour, the 4-H boy having the best garden in the club.

Miss Mary Angus of Andover led a Forestry Club in the town and the club members improved a local forest by doing some weeding and thinning.

Miss Angus was awarded a certificate as a third year leader in 4-H work. The forestry club made some outstanding wood collections and exhibited them at the Topsfield Fair. The ribbons and cash awards for this exhibit were awarded to the boys at the end of the program.

Miss Mary B. Smith was recognized for her fine cooperation with the Forestry Club.

The moving picture "The River" was shown as part of the program. It told the story of erosion and floods in the Mississippi Valley. The colored sound movie "How Does Your Garden Grow" was also shown. This film is put out by the Agricultural Chemical Co., in North Weymouth and tells the story of flower garden, lawn management with an effective fertilizer program.

Groveland and Methuen Program

The 4-H gardeners and their leaders from Methuen and Groveland planned an achievement program for their members. The program was held in the Groveland High School with an attendance of 55. Robert Chabot of Groveland led the garden club in that town. He was awarded his first year leadership pin. In turn he awarded pins to all 4-H members who completed their garden projects. The Club Agent awarded ribbons to the following boys for having excellent gardens. Robert Vizard, Marland Vizard, and Carl Marchisio.

Martin Sevoian of Methuen the leader of the 4-H Garden Club there was awarded a 4-H first year leadership pin. He awarded the pins to each member who had completed their projects, Donald Lambert of Methuen was recognized as having an outstanding garden. "How Does Your Garden Grow" and "Army on Wheels" were the two films shown at this meeting.

The program was handled by Mrs. Leon Jordan who has been a 4-H leader for 17 years in Essex County. Mrs. Jordan with the help of her club girls conducted a candlelight service for the 4-H boys who completed their garden project.

MRS. LEON JORDAN ELECTED PRESIDENT

Mrs. Leon B. Jordan of Groveland was elected president of the 4-H Leaders' Association at their annual meeting and banquet held Friday evening November 14 at Essex Agricultural School. Mrs. J. Stanley Bennett of Danvers was elected vice president, Paul Corson, Saugus, Secretary; Byron Colby, Hathorne, Treasurer; Miss Inis Biondi of Beverly, Assistant Treasurer; Executive committee: Miss Marion Parker, Beverly; Mrs. G. Richard Abbott, Andover and retiring president; David Segestrom, Ballardvale; Mrs. Warren Merrill, Georgetown; Mrs. Watt Dozier, Lynn and Mrs. Mason Blatchford of Rowley.

The following young ladies from Beverly were recognized for their 10 or more years in 4-H Club work: Inis Biondi, Dorothy Trobetaris, Bertha Rossum, Audrey Day, Dorothy MacDonough and Mary Burke.

Miss Tena Bishop, Earl Nodine of the State 4-H office and Arnold Davis, Extension Horticulturalist at the State College were present and discussed coming programs with the leaders. Director Harold A. Mostrom brought the greetings of the School and the music club under the direction of Miss Esther Usher of Danvers gave a group of songs. Mrs. G. Richard Abbott presided at the meeting in the evening. In the afternoon when the women leaders met with Miss Bishop, Miss Davis, assistant County Club leader presided.

CLOTHING LEADERS' MEETING

On Tuesday, Nov. 25, the Clothing Leaders met with Mrs. Esther Cooley Page, State Clothing Specialist, for an all day meeting in the Sewing room of the Smith Congregational Church, Andover.

Mrs. Page demonstrated technique in applying slide fasteners, and making hems and piped buttonholes. Correct pressing methods were also demonstrated. Criticisms were made of garments on display and the leaders discussed correct and incorrect garment finishes.

Local leaders present were: Irene Dantos, Andover; Beatrice Blatchford, Rowley; Mary Webb, Danvers; Frances Ross, Danvers; Nancy Harrison, Groveland; Susanne Jordan, Groveland; Marion Parker, Beverly; and Florence Abbott, Andover.

The Andover leaders very kindly furnished dessert and coffee for the group.

Ida B. Davis
Asst. Co. Club Agent

NATIONAL 4-H RADIO PROGRAM

This broadcast will continue during 1942 as in the past over the National Broadcasting Co., Blue Network, on the first Saturday of each month between 12:30 and 1:30.

Listen in and get a picture of other 4-H boys and girls are county wide. The music is by the United States Marine Band, William F. Santilmann, Leader.

4-H NOTES

A new 4-H Poultry Club has been organized in Rowley under the leadership of Mr. Frederick Ebinger. Club met on November 3 with the County Agent and a program was planned.

Charles Savage of Newbury has chased a pure bred Guernsey calf and he is very proud of it.

The West Newbury and Haverhill Dairy Club met at Ralph Woodworth home in West Newbury and a year program was planned.

SERVICE CLUB NOTES

The Essex County 4-H Service Club had their regular monthly meeting on November 21, at the Extension House at the Agricultural School. An initiation service was conducted by the officers of the club and 11 former club members joined the club. In a great many years the new members have four and five years of active 4-H work as a background.

The Service Club in Essex County has been very active in helping to chase Camp Leslie as well as raising money for a General 4-H Fund. The fund is used to send county delegates on National trips as well as many worthwhile activities.

Those who were initiated were Clifton Putney, Virginia Abbott, Hathorne; Doris Shanahan, Ruth Carr, Methuen; Phyllis Clark, Edith W. Danvers; Shirley Lister, Methuen; Eleanor Thurston, Madeleine Sullivan; and Larry Crofts, Danvers.

Five others are eligible to attend meetings although they were not present and be initiated: Barbara Low, Beverly; Shirley Bennett, Danvers; Gertrude Hibbert, Robert Chabot, Groveland; and Robert Woodworth, West Newbury.

The next meeting of the Service Club will be held on Friday, December 5, Essex Aggie.



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